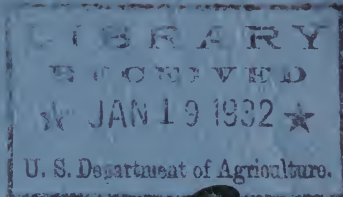


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ST. LOUIS SEED CO.

SEED ANNUAL

1932



ST. LOUIS SEED CO.
411-413 WASHINGTON AV. ST. LOUIS, MO.

Vegetable Seed Trials

JAN 18 1932

OUR 1932 ANNUAL CATALOGUE

Serving the Gardener, Farmer and Amateur for years, we have always kept before us the importance of High Quality. Seeds of High Quality are those with a known pedigree that have been produced under conditions of painstaking care, harvested properly, and proved to be of strong vitality.

That we have succeeded in our efforts to furnish Seeds of this High Quality during the years we have been in business is shown by the very gratifying increase which our business has shown year by year. We have been favored, too, with remarkably loyal support on the part of our customers, many of whom started to trade with us years ago and are with us yet. To old and new customers alike we are sincerely grateful.

SUGGESTIONS FOR ORDERING

Phone, Central 4100

ORDER EARLY

Phone, Central 4100

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING. It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Unknown correspondents desiring to open an account will furnish three references from parties in the trade with whom they have had credit relations, otherwise cash must accompany order.

Remittances should be made by Post-Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your orders always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST—Customers living on R. F. D. routes, and beyond express delivery will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES on VEGETABLE SEEDS are net, but on PACKETS, OZS., and LBS. WE PREPAY POSTAGE.

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Seed by gallon, peck and bushel.

EXPRESS AND FREIGHT CHARGES on large quantities are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 25c each.

Parcel Post Rates and Weight Limit

The weight limit in all zones is 70 pounds, see table below. Shipments of 25 pounds or over are cheaper if sent by Express beyond the third zone.

	1st lb. or Fraction	Ea. add. lb. or Fraction
1st Zone, within 50 miles from St. Louis.....	7c	1c
2nd Zone, within 150 miles from St. Louis.....	7c	1c
3rd Zone, within 300 miles from St. Louis.....	8c	2c
4th Zone, within 600 miles from St. Louis.....	8c	4c
5th Zone, within 1000 miles from St. Louis.....	9c	6c
6th Zone, within 1400 miles from St. Louis.....	10c	8c
7th Zone, within 1800 miles from St. Louis.....	12c	10c
8th Zone, all over 1800 miles from St. Louis.....	13c	12c

If in doubt obtain your zone rate from your postmaster.

ABOUT WARRANTING SEEDS

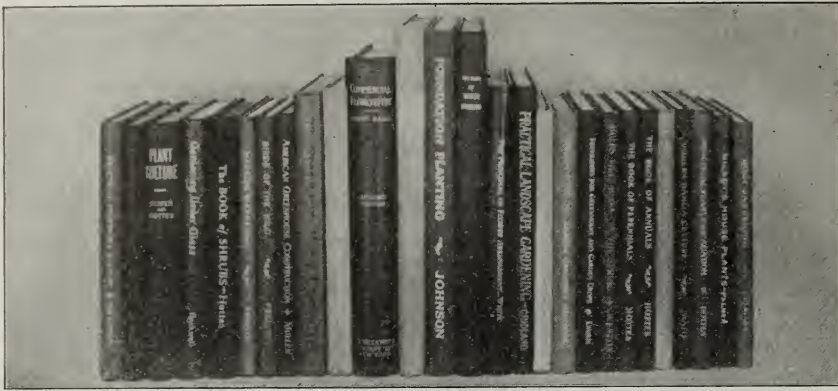
NON-WARRANTY. Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this Catalog will be executed on these conditions only. It must, however, be plain to every one who gives the matter the slightest thought that it is to our best interests to send out only such stock as will not only grow, but prove true to name and description.

ST. LOUIS SEED COMPANY

FOR INDEX SEE PAGE 128

Books on Horticultural and Kindred Subjects

ALL BOOKS SENT POSTPAID AT PRICES GIVEN



Agriculture, The Principles of—Prof. L. H. Bailey.....	\$2.25
American Greenhouse Construction.....	1.75
Alfalfa—E. D. Colburn.....	.85
American Rock Gardens.—S. F. Hamblin.....	1.25
Asparagus Culture—F. M. Hexamer.....	1.10
Birds of the Wild—Frank C. Pelitt.....	1.75
Book of Annuals—Prof. A. C. Hottes.....	1.50
Book on Bulbs—F. F. Rockwell.....	2.00
Book of Perennials—Prof. A. C. Hottes.....	1.50
Book of Shrubs—Prof. A. C. Hottes.....	3.00
Bush Fruits Production—R. A. Van Meter.....	1.25
Cauliflowers and Broccoli Culture—A. G. B. Bouquet.....	1.25
Chrysanthemum Culture—E. A. White.....	2.00
Dahlias—F. F. Rockwell.....	1.00
City and Suburban Garden—C. C. Sherloch.....	2.00
Everybody's Garden—F. A. Waugh.....	3.50
Floriculture, Commercial—Fritz Bahrs.....	5.50
Floriculture, Practical—Henderson.....	2.00
Foundation Planting—Prof. F. A. Waugh.....	3.50
Fruit, Harvesting, Storing, Marketing.....	1.75
Garden Guide—The Amateur Gardener.....	1.00
Garden Lilies—I. Preston.....	1.25
Gardening for Profit—Peter Henderson.....	2.00
Gardening Under Glass—F. E. Rockwell.....	2.50
Gardening with Peat Moss.....	1.00
1001 Garden Questions—Prof. A. C. Hottes.....	2.00
Gladiolus—By Rockwell.....	1.00
Handbook of Fertilizers—A. F. Gustafson.....	1.25
Hardy Evergreens—F. A. Schreppe.....	1.25
Hardy Shrubs—F. A. Waugh.....	1.25
Home Floriculture.....	1.75

Home Landscape—Arthur J. Jennings.....	\$2.50
Iris, The—John E. Wister.....	1.25
Irrigation Farming—Lute Wilcox.....	2.50
Landscape Gardening—F. A. Waugh.....	2.00
Landscape The Home Grounds—L. W. Ramsey.....	2.00
Lawns—F. F. Rockwell.....	1.00
Lilacs and their Culture—J. C. Wister.....	1.25
Milady's House Plants—F. E. Palmer.....	1.25
Mushroom Culture—W. Robinson.....	1.00
Mushrooms, How to Grow Them—Wm. Falconer.....	1.75
Mushroom Growing—B. M. Duggar.....	2.00
Nut Growing—R. J. Morris.....	2.50
Orcharding—Productive—Sears.....	3.00
Pear and its Culture—H. B. Tukey.....	1.25
Peanut Plant—B. W. Jones.....	1.00
Plant Culture—Hottes.....	3.50
Plant Propagation—Practical—Alfred Hottes.....	2.00
Plant Propagation. Greenhouse and Nursery Practice. M. G. Kains.....	2.25
Principles and Practice of Pruning—M. G. Kains.....	2.50
Principle of Flower Arrangement—Prof. E. A. White.....	3.00
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Roses and Their Culture—S. C. Hubbard.....	1.25
Spring Flowering Bulbs—C. L. Thayer.....	1.25
Strawberry Cultivist—Fraser.....	1.25
Sweet Potato Production—H. C. Thompson.....	1.25
The Rose America—McFarland.....	3.00
The Woman's Flower Garden—Jane L. Kife.....	1.00
Tobacco Leaf—J. B. Killebrew and Herbert Myrick.....	3.00
Vegetable and Flowering Plants Under Glass.....	3.00
The Lawn—L. S. Dickinson.....	1.25

ST. LOUIS SEED COMPANY'S CALENDAR FOR SEED PLANTED IN THE LATITUDE OF ST. LOUIS

JANUARY—Sow in Hotbed—Early Beet, Early Cabbage, Cauliflower, Early Lettuce, Early Onions, Radish.

FEBRUARY—Sow in Hotbed—Early Beet, Broccoli, Early Cabbage, Cauliflower, Celery, Egg Plant, Early Lettuce, Parsley, Pepper, Early Onions, Radish, Tomato.

MARCH—Sow in Hotbed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Melon, Parsley, Pepper, Onions, Radish, Tomato, Herbs. Sow in Open Ground—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onions, Parsnips, Peas, Potatoes, Radish, Spinach, Early Turnip, Onion Sets.

APRIL—Sow in Hotbed—Cucumber, Egg Plant, Melon, Pepper, Tomato. Sow in Open Ground—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cress, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnips, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Turnips, Sage, Herbs, Onion Sets.

MAY—Sow in Open Ground—English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Okra, Onion, Parsley, Parsnips, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohlrabi, Lettuce, Okra, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Squash, Turnip. Plant—Winter Onions.

SEPTEMBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip. Plant—Winter Onions. Write for St. L. S. Co.'s Bulb Catalogue.

OCTOBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach, Plant—Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

NOVEMBER—Plant Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.



St. Louis Seed Co.'s Reliable Grass Seed

ALL OUR LAWN GRASSES ARE RECLEANED AND TESTED FOR HIGHEST QUALITY, PURITY AND GERMINATION

The essentials for a fine lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine and smooth and mellow as possible; third, a wise selection of seeds; fourth, sowing at such a time as to give the young plants a chance to become well established before being subjected to very dry or cold weather or to the direct rays of the hot summer sun. However, much care is bestowed on the soil and seed, no lawn will be beautiful without frequent mowing and rolling. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in spring, others in summer, others again in autumn, and a combination of the proper sorts is required for a perfect, carpet-like lawn. It may be planted early in spring or fall and should be sown at the rate of sixty to one hundred pounds per acre. If sown in the spring, sow as early as possible.

One pound Lawn Grass Seed will sow 300 square feet; 75 to 100 pounds to the acre. For renovating old lawns, about half that quantity.

If Grass Seed is wanted by Parcel Post, please add for postage at your zone rate.

ST. LOUIS SEED CO. HAVALAWN GRASS SEED

Havalawn is a mixture of the finest, re-cleaned grass seed, a well-balanced mixture of Kentucky Blue, Red Top, Bent, Fescue, and White Clover. The best sod and lawn producing grasses. Havalawn insures a steady succession of growth—there will be no break in the richness of the verdure from Spring until Winter. Price, 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$7.00; 100 lbs., \$26.50.

Kentucky Blue Grass. Fancy extra re-cleaned. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. Sown with White Clover it forms a splendid lawn; for this purpose use not less than seventy-five pounds of Blue Grass and six pounds of White Clover per acre. Price, 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 25 lbs., \$6.25; 100 lbs., \$24.00.

St. L. S. Co. Shady Lawn. The mixture is a combination of fine dwarf-growing evergreen varieties of grass, which grow naturally in the woods or in shaded spots. Sow thickly. Price, ½ lb., 25c; 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$7.00.

St. L. S. Co. Terrace Grass. Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil. ½ lb., 25c; 1 lb., 40c; 3 lbs., \$1.10; 5 lbs., \$1.75.

Quick Result Mixture. This is intended for back yards, large playgrounds, etc., that are not intended to be kept cut as closely as other front lawns, and where grass is wanted quickly to cover unsightly places. Price, 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.25; 100 lbs., \$15.00.

Bent Grass (*Agrostis species*). German mixed bent is particularly valuable for lawns that are to be used for croquet grounds or for tennis courts. Price, ½ lb., 60c; 1 lb., \$1.15; 5 lbs., \$5.25.

Bent Grass. Colonial Bent. A very fine bladed grass, producing a thick turf, especially valuable for putting greens. Price, ½ lb., 60c; 1 lb., \$1.10; 5 lbs., \$5.25.

Seaside Bent. True creeping variety of Bent, grown in Coos County, Oregon, spreading rapidly by means of stolons or runners. It requires much watering and top dressing to keep it in perfect upright growth. Sow 1 lb., to 400 sq. ft. Price, ½ lb., 65c; 1 lb., \$1.25; 5 lbs., \$6.00; 25 lbs., \$27.50.

Canadian Blue Grass (*Poa Compressa*). A hardy perennial with creeping root-like which form a strong turf. Price, 1 lb., 35c; 3 lbs., \$1.00; 10 lbs. \$3.00.

Fescue, Red or Creeping (*Festuca rubra*). For fine lawns and putting greens. Succeeds on sandy soils. Price, 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50.

Poa Trivialis. An ideal grass for shade. This grass is a perennial closely related to Kentucky Blue Grass. Price, 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50.

Red Top. A very hardy perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils. Fancy or solid seed. Price, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

Rye Grass. Very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. Price, 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.60; 100 lbs., \$10.00.

Clover (White or Dutch). A low, close-growing clover, round, white heads, very fragrant. Very desirable for beautifying the lawn. Price, ½ lb., 35c; 1 lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.75.

GENERAL LIST OF HIGHEST GRADE VEGETABLE SEEDS

It has always been our endeavor to list only such sorts of vegetable seeds as, from our tests and experience, we have found to be of superior merit. In many instances, we have stricken out varieties that were out of date, but have always listed a superior sort that we could honestly recommend as better for the home garden as well as for the market gardener.

To the market gardener, we know that he is well acquainted with the varieties and the various vegetables that prove the most satisfactory and profitable for his neighborhood. To him we can only say that "Pure and Sure" Seeds of any variety he plants will be the best investment he can make.

Our sources of supply are the very best and our strict tests for germination and vitality assure all who plant "Pure and Sure" Seeds that as far as the seeds are concerned, all that human hands can do to make them the very best has been done.

With this in mind, we are sure you will not hesitate about sending us your order for seeds for the coming spring, and we have no doubt that you will never be disappointed with the results from "Pure and Sure" Seeds.

ARTICHOKE

Seed may be planted during March or April in seed bed arranged so that the young plants can be given protection until danger of frost is past. When large enough to transplant they should be set in rows about 4 feet apart and about 2 feet apart in the row. In localities where winter temperatures are not severe such plants will produce a crop of buds the second year. Where winters are severe they must be mulched with a heavy dressing of leaves or straw to thoroughly protect the crowns.



Note—The seed we offer is of the true Artichoke and should not be confused with the Jerusalem Artichoke.

Green Globe. The plants of medium height with large thistle-like medium deep green foliage. The edible buds or flower heads are deep green, globe shaped or ovoid. The fleshy bud scales are moderately broad and full at base and are regarded as a delicacy. **Pkt., 10c; oz., 50c; ¼ lb., \$1.75.**

ASPARAGUS (Postpaid)

One ounce will sow about 50 feet of drill.

Good beds of this early, delicious vegetable can be easily grown from either seed or roots, both of which can be purchased from us.

When starting the bed from seed it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in spring in rows about 18 inches apart allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established thin to about an inch apart. Hoe frequently during the summer. The plants will be ready to set in a permanent bed the following spring.

Mary Washington. A strain selected from Martha Washington. It is a little earlier and more vigorous than the original strain. The shoots are slightly ovoid in shape, firm and tender and richly flavored. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Martha Washington. The shoots of this vigorous and prolific variety are large, deep green tinged with purple at the tips, and are resistant to Asparagus Rust. They are very uniform in size and of excellent, tender quality. **Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25**

Palmetto. A reliable, early maturing and prolific variety. It is highly esteemed for its very large, tender, deep green shoots which are produced in abundance. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

ASPARAGUS ROOTS

(By Parcel Post 5c per Dozen Extra)

CULTURE—When planting roots for the permanent bed the soil should be worked to a depth of 16 or 18 inches and a liberal dressing of stable manure or peat-moss and a good fertilizer applied. Make trenches about 4 inches deep and 6 inches wide and place the roots crown up about 2 feet apart, being careful to spread them in a flat position. Leave the rows at least 4 feet apart. Early in the spring spade in a liberal dressing of manure between the rows and apply about 2 pounds of nitrate of soda or ammonium sulphate to the square rod. This will make the shoots more rounded and tender.

Asparagus should not be cut until the second year.

Extra Choice Two-Year Roots	Doz.	4 Doz.	1000
Washington (Rust-proof)	\$0.25	\$0.90	\$12.50



ASPARAGUS CULTURE

*A Reliable Book on Planting,
Cultivating, Cutting and Use
of Asparagus*

Price, \$1.10 Postpaid

DWARF BEANS

One pound will plant 100 feet of row; sixty pounds will plant an acre.

At the following prices on Beans, packets up to five pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

CULTURE—Plant about the first of May in rows, placing the seeds 2 to 3 inches apart in drills about $2\frac{1}{2}$ inches deep. The rows should be about $2\frac{1}{2}$ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plants, as this frequently disturbs young feeding roots. Use the finger nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession plant every two weeks up to August 1.

GREEN PODDED VARIETY



Mammoth Stringless Green Pod. (Tendergreen) A very high quality green-podded sort, producing large pods, some of which measure 6 inches in length, of the finest quality. It is productive, bearing pods which are perfectly round, very fleshy and entirely stringless. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Bountiful Stringless. This is the best flat-podded stringless variety. The light green pods are $6\frac{1}{2}$ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, very slightly fibrous, attractive and of very fine quality. It is very early, maturing 48 days. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Full Measure. This excellent variety is well adapted to home garden use and is rapidly becoming one of the most popular of the round podded green beans. Intermediate early, 53 days. Pods are medium green round, fleshy, fine grained and strictly stringless. They are normally $6\frac{1}{2}$ inches long and usually curved. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Black Valentine. A popular variety for the gardener, being ready to pick in 45 days. It produces large pods, about 6 inches long, slender round and nearly straight, quite stringy and fibrous, though fine grained and medium green in color. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Giant Stringless Green Pod. An exceedingly productive and very handsome sort. The pods are large and nearly round, and of medium green color. They mature a few days later than those of Stringless Green Pod, average about one-fourth inch longer and more nearly straight. The variety is suitable for the market. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Longfellow. Remarkably early and has excellent flavor; its delicacy remains almost intact when prepared for the table. The pods are about six and one-half inches long. Pale green in color, straight and round; very productive and crop matures 48 days. Beans are small, mottled dark red. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.45.

Stringless Green Pod. A very desirable dwarf green podded snap sort for the home garden and largely grown for the market. The pods are medium green, five to six inches long, cylindrical, larger than those of Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. They mature in 52 days. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50.

Valentine, Improved Early Round Pod. One of the best extra early for home use or market. Extra early and is usually ready for harvesting from 40 to 45 days after planting. Vines strong and vigorous; pods green, medium length, curved with creases in the back, very fleshy, crisp and tender. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.45.

White Navy. (Shell Bean). The famous little white soup bean that needs no further introduction. Very prolific and a sure cropper. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.

MARKET GARDENERS PRICE

Express Extra

	10 lbs.	25 lbs.	100 lbs.
Mammoth Stringless.....	\$2.25	\$5.00	\$18.00
Bountiful.....	2.25	5.00	18.00
Full Measure.....	2.25	5.00	18.00
Black Valentine.....	2.00	4.50	16.00
Giant Stringless.....	2.00	4.50	16.00
Longfellow.....	1.90	4.25	15.00
Stringless Green Pod.....	2.00	4.50	16.00
Red Valentine Improved...	1.90	4.25	15.00
White Navy.....	1.65	3.50	12.00

WAX-PODDED BUSH BEANS

Pkt. up to 5 Lbs., Postpaid



St. L. S. Co.'s White Wax. This round-podded Dwarf Wax Bean has attained the top notch among Beans of this class. It produces no culls, the pods average five to six inches in length, a round-podded, wax variety; they are very solid, meaty and tender, free from string. Maturing 49 days. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Golden Wax. The many excellent qualities of this variety have made it a standby for fifty years. It is early, reaching table condition in 49 days. Vigorous and highly productive. Pods deep golden yellow, about 5 inches long, usually straight, broad oval in shape. Stringless, tender and of fine quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Pencil Pod Wax. A superior variety of the round podded black seeded class. Medium early bearing in 52 days. The attractive golden yellow pods are curved, fleshy, stringless and brittle. They are tender and of excellent quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid.

WAX POD—POLE

Golden Cluster Wax. A well known and dependable wax podded pole bean possessed of a long bearing period. It is medium early, 68 days. The strong-growing vines bear a good crop of pods which are large and flat, about 7½ inches long and of a clear waxy yellow color. This is most suitable for snap use but is widely used for green-shell. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

MARKET GARDENER LIST. Express Collect			
	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s White Wax	\$2.40	\$5.50	\$20.00
Golden Wax.....	2.20	5.00	18.00
Pencil Pod Wax.....	2.20	5.00	18.00
Golden Cluster (Pole)...	2.40	5.50	20.00

POLE BEANS—GREEN PODDED SORTS

Use one pound of seed for 100 hills; 30 pounds will plant an acre.

CULTURE—Pole beans are more sensitive to cold than the bush kinds, and should not be planted before the ground is warm—in this latitude, after May 1st. Set poles 6 to 8 feet long, 3 to 4 feet apart, in 4-foot rows and plant five or six beans 2 inches deep around each pole.

St. L. S. Co.'s White Cornfield. An early maturing, green podded, white seeded pole sort, desirable for snaps and unsurpassed in its class as green shell beans. The vines are vigorous and very productive. The pods are round, very long, often eight to nine inches, irregular in shape and quite stringless. Seed medium long, oval or well rounded, solid white. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Kentucky Wonder. Also known as Old Homestead. We believe this variety is the most practically useful of the green podded pole beans suitable for use as snaps. It is an early, very prolific sort, with showy pods which are of most excellent quality. The pods are medium light green, very long, often reaching nine or ten inches curved, nearly round and very crisp when young. One of the very best early pole snap beans for the home garden or market. The quality of our stock is unsurpassed. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

Lazy Wife. The pods are of a medium dark green color and grow from 5 to 7 inches in length. They are broad, thick and very fleshy. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

MARKET GARDENER LIST Express Collect

	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s White Cornfield...	\$2.40	\$5.50	\$20.00
Kentucky Wonder.....	2.00	4.50	16.00
Lazy Wife.....	2.40	5.50	.....



St. L. S. Co.'s White Cornfield

BUSH LIMA BEANS

One pound will plant about 100 hills, or 100 feet of row; 60 pounds will plant an acre.

Pkt. up to 5 lbs., Postpaid.

A rich, light soil is best. Sow the seed after the ground is dry, danger of frost is over, and the nights are warm (about May 1 in the latitude of Mo.). Make the rows 3 feet apart, dropping the Beans so the plants will stand 4 to 6 inches apart in the row, and cover with less than one inch of soil. Bush Limas may also be planted in hills 3 feet apart one way and 2 feet the other, using 4 to 6 Beans to the hill. The plants should be cultivated often.

Burpee's Bush Lima. A true bush form, growing 18 to 20 inches high. An immense yielding variety, each bush being laden down with Large Limas. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

Fordhook Bush Lima. The bushes are erect, and branching freely. The green beans are thick and meaty, four to the pod. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

Henderson's Bush Lima. A famous variety, grows in compact bush form and produces enormous yields of delicious Lima Beans. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.

Improved Bush Lima. Similar to the Burpee's Bush Lima, except in size it is smaller. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Broad Windsor. An old-fashioned English shell bean. Dry beans very large and yellowish green. Pkt., 10c; ½ lb., 30c; 1 lb., 50c.

MARKET GARDENER PRICE

Express Extra

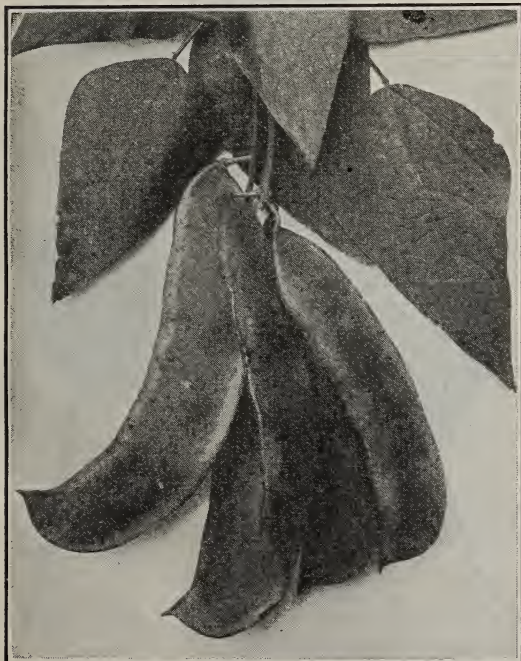
	10 lbs.	25 lbs.	100 lbs.
Burpee's Bush Lima.....	\$2.40	\$5.50	\$20.00
Improved Bush Lima.....	2.40	5.50	20.00
Henderson's Bush Lima.....	2.00	4.50	16.00
Fordhook Bush Lima.....	3.00	6.75	25.00



Improved Bush Lima.

POLE LIMA BEANS

One pound will plant 100 hills; 30 pounds will plant an acre.



King of the Garden

CULTURE—A warm, sandy loam, enriched with well-rotted stable or sheep manure is best. It must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, 2 inches deep.

St. L. S. Co.'s Genuine Butter. These beans have a creamy-white color, in large pods and are far more delicious than the ordinary Lima Bean. The vigorous vines with plenty of pods will supply you with the most delicious Butter Beans. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.

King of the Garden. The true "King" of the Limas. Stronger and more productive than any of the large White Limas and is the favorite of the market gardeners on account of its long, well-filled pods. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

Small White Lima (or SIEVA). A very reliable, heavy yielding, early variety, especially well adapted for culture in the South. The earliest of the pole Limas, bearing green-shell beans in 78 days. It is the most prolific of the pole Limas but is smaller seeded than other varieties. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., 1.50.

MARKET GARDENER PRICE

Express Extra

	10 lbs.	25 lbs.	100 lbs.
St. L. S. Co.'s Genuine Butter.....	\$3.00	\$7.00	\$26.00
King of the Garden.....	2.40	5.50	20.00
Small White Lima.....	2.40	5.50	20.00

BEETS

Seed should be sown at the rate of one ounce to 100 feet of row; 5 to 6 lbs. to acre. The rows should be spaced 6 to 18 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled.

When the seedlings are about an inch tall it is well to thin them to about one-half inch apart. Then they can be allowed to grow 5 or 6 inches when the alternate plants in the row may be pulled and used for greens. This practice can be repeated as often as the roots touch in the rows or until they reach good table size. Beets are usually most tender and succulent when about 2 inches in diameter.

By planting at intervals of two to three weeks until July, a regular supply of greens and beets may be had until late fall. The roots from the later plantings may be stored and kept for winter use.

Early Wonder (Selected). This is the earliest and most perfect shaped Beet for bunching purposes. Its beautiful deep blood-red, nearly globular shaped root, small-sized top and small clean tap-root maturing in 60 days. The attractive appearance, uniformity of size, shape and color, and excellent keeping qualities have created a very heavy demand for this variety; valuable for market garden. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.25.**

Crosby's Egyptian (Selected). The roots are flattened globe shaped and very smooth, maturing in 65 days. The exterior color of the root is bright red. The flesh of our strain is bright vermillion-red. This is one of the best for early planting outdoors and is much used for bunching. It is the favorite of the market gardeners. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.25.**

Early Detroit

Extra Early Egyptian. This is the best variety for forcing. It is also excellent for first early crop outdoors, being very early, with small tops maturing in 55 days. The leaves are dark green, shaded and veined with dark red. The roots are very dark red, distinctly flat on the bottom. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.50.**

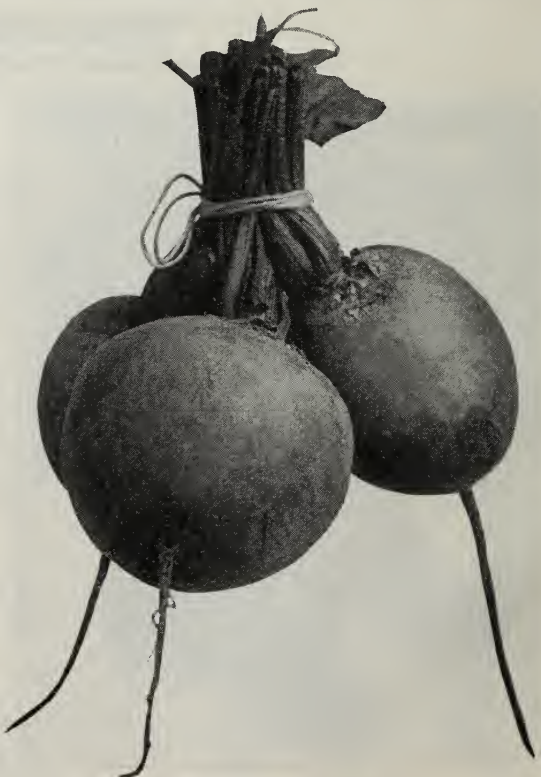
Boston Crosby. An exceptionally good selection from Crosby's Egyptian, being more "globy"; with a smaller top and tap root, maturing in 63 days. Roots are remarkably uniform, very dark red, flesh deep purplish red with little tendency to zoning. One of the most popular and handsome of the early beets. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.25.**

Detroit Dark Red (Selected). We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The tops are small and upright in growth. The leaves are dark. The roots are medium sized, globular or nearly round, very smooth and of dark blood-red color, maturing in 65 days. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., \$4.25.**

Nutting Gem. A handsome variety of medium size and entirely free from rootlets, as its name implies, it is a perfect globe-shaped Beet. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c.**

Edmand's Blood Turnip. A desirable second early market beet, suitable also for the home garden. Roots nearly round; color dark red; crisp, tender, sweet and an excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c.**

Half Long Dark Blood. A standard late variety of very good quality which keeps well through the winter. The roots are smooth, rather slender. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**



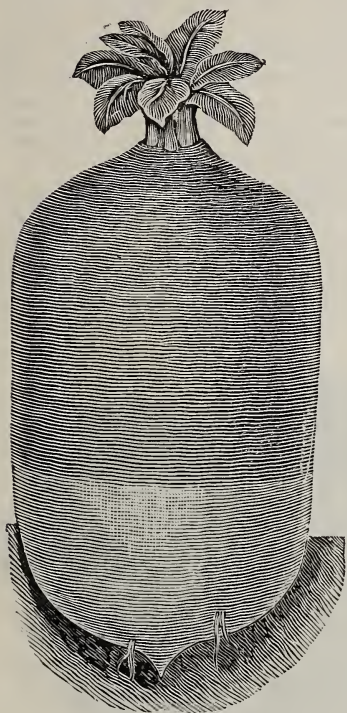
Boston Crosby (New)

Beet, Spinach or Swiss Chard

CULTURE—Same as for beets; transplant 12 inches apart in rows 18 inches apart. Sow seeds in the Spring, as for common beets. Grown for its leaves only; one of the best early green.

Large Ribbed White (Silver Leaf). The leaves are broad, somewhat waved but smooth and are of a medium light yellowish green color. The stalks are broad and flattened, but tender and succulent, and are a good substitute for asparagus. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**

Lucullus. A delicious variety having pale green leaves which are remarkably crimped and curled, like savoy cabbage. The stiff ribbed chards are white and broad. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**



Mangel Beet

BEET OR MANGEL WURZEL

The Mangel Wurzel, also called Mangel, Cattle Beet and Field Beet. Deep loams are necessary for heavy yields. Plant early in spring in drills two to two and one-half feet apart, and about one inch apart in the row.

Golden Tankard. The tops are comparatively small, with the leaf stalks and veins distinctly tinged with yellow. The roots are large. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

Giant Half Sugar Mangel. Desirable for stock feeding. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

Improved Mammoth Long Red. The roots are very large, uniformly straight and well formed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**



Chard, Large Ribbed

BROCCOLI

Closely allied to the Cauliflower. It is generally considered rather more hardy. In growing Broccoli, sow seed in frames early in Spring, culture same as cauliflower.

Green Sprouting Calabrese. This is a distinct variety grown by Italian market-gardeners for Italian trade only. The plants form a large solid head which remains green. After this head is cut out, a number of sprouts develop from the leaf-axes, each sprout terminating in a small head about one inch in diameter. Bunched and sold as a second crop. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.**

BRUSSELS SPROUTS

Brussels Sprouts are highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely on the stalk of the plant, and are produced in abundance from tip to ground level. Seeds should be sown in drills early in June. When the young plants are 6 inches tall, they should be transplanted to rich soil, setting them in rows 3 feet apart.

Roseberry. The choicest variety obtainable and highly valued on account of its strong, robust growth and remarkable juicy, tender heads. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

BORAGE

Borage. A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor and are sometimes used in salads to give a cucumber-like taste. **Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**



Broccoli Calabrese

CABBAGE (Price Postpaid)

One ounce will produce about 2,000 plants; $\frac{1}{4}$ pound seed in beds will produce plants for 1 acre

CULTURE—Sow the early kinds in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts 2 $\frac{1}{2}$ feet each way. To be well-grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us, and we offer it as being of superior quality.

FIRST EARLY VARIETIES



Golden Acre

Golden Acre. A very fine new sort from Denmark. It is very uniform, almost every head could be cut at the same time. Golden acre matures quicker than any variety known. The head is of medium size, quite round, and is surrounded by a few small outer leaves. On account of its hardness it will stand in the field for a month or more without bursting and can be shipped long distances and arrive in excellent condition. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.00.

Early Jersey Wakefield. Many market gardeners consider this the very best early variety. Grown extensively for market and shipping. Its merits are many, among which are large heads for an early sort, small outside foliage and uniformity of crop. Pyramidal in shape having a blunted or rounded peak. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.



Charleston Wakefield

Copenhagen Market. This is without doubt the best early round-headed cabbage and that its wonderful merits are appreciated is demonstrated by the large plantings made of this variety. The type is thoroughly fixed and the heads maturing at the same time, which makes it so popular and the great favorite of the market gardener. It is a vigorous grower and yielder and an excellent keeper. The leaves are of a light green color and tightly folded together in a remarkably solid and compact form. The heads average 5 pounds in weight, are solid and firm. Don't experiment with a cheap strain of this famous variety. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.



Copenhagen Market

Charleston or Large Wakefield. The exceeding hardness and size of this first early variety have made it very popular. It is especially recommended for succession to follow Jersey Wakefield. Matures in about 72 days after transplanting. The plant is of medium size, slightly spreading. The heads become 8 to 9 inches long, 7 or 8 inches in diameter and weigh 5 to 7 pounds. They are heart shaped with closely lapping leaves. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

INTERMEDIATE VARIETIES

Early Dwarf Flat Dutch. A second early variety extensively grown in home gardens. It matures 72 days after transplanting. The plant is small and compact and bears excellent heads of full, but flattened shape. They are 6 inches deep, 7 to 8 inches wide and weigh about 5 pounds. The head leaves are firm, solidly packed, and creamy to white in color. Pkt., 10c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

CABBAGE—Continued

(Intermediate Varieties)

Improved Brunswick. Ours is the true short stem type. Good for early and late crops, and attains an extraordinarily large size. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

All Season or Surehead. The name best describes this variety as it is sure-headed of the flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and solid. This certainly is the great all-the-year-round cabbage. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

LATE VARIETIES

Superior Late Flat Dutch. We recommend this sort for markets that require a very large and deep head. The plants are large, fairly compact but distinctly vigorous with medium length stem and large outer leaves, which are upright in growth and moderately waved. The heads are uniformly large. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

American King. Mammoth solid heads, weighing from 8 to 12 pounds. Its chief points of merit are its absolute reliability of a sure crop, its uniformly large size of head, its great drought and worm-resisting qualities. A distinct feature of our American King is the small number and small size of the ribs. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

St. Louis Late Market. This strain is the result of much care on our part to develop and maintain the good qualities which have made this sort so popular. The plants are very hardy, comparatively slow growing but very sure heading; stem rather short. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves which are moderately smooth or very slightly waved and slightly blistered. This is considered by many as the standard, very large late cabbage for home garden and market. It is an excellent keeper. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**



St. Louis Late Market

Hollander or Danish Ball Head. Very hardy, sure heading, very solid, of good quality and as one of the very best keepers this is particularly desirable for distant markets or for late spring use. The leaves are distinctly upright in growth, few but rather large, long and narrow, thick, smooth bluish green covered with whitish bloom. The heads are medium sized, round, exceptionally solid and stand shipment better than any other late sort. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

RED CABBAGE

Early Red Erfurt. This is a favorite variety with those who like Red Cabbage. The heads grow medium size and are practically ball-shaped. They are as solid as a rock and of an intense deep red color. The quality is superb, with tender, juicy leaves. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Mammoth Rock Red. The largest and surest heading red cabbage. The plants are large and vigorous with medium length stem and spreading outer leaves which are dark green with red veining. The heads are late maturing, large, round, very solid and of very attractive deep red color. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

SAVOY OR CURLED CABBAGE

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Perfection Late Savoy. The best of the main crop and late Savoys for home use or market. The plants are vigorous, of medium size, with rather short stem, and are very sure heading. The heads are large, neatly round, fairly solid, sweet and tender. **Pkt., 10c; ½ oz., 25c; oz., 45c.**



American King

Cabbage plant see page 38.

ST. L. S. CO.'S SELECTED CAULIFLOWER

One ounce of seed will produce from 3,000 to 4,000 plants.

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the cultural directions given below are carefully followed.

For spring and early summer crop, sow in February or early in March in hotbed. If soil is not too wet, seed should be thoroughly pressed into the ground after sowing. This insures quick germination. Cover seed with one-half inch of fine soil firmly pressed down. Transplant to cold frame when sufficiently large to handle. As soon as danger of hard freezing is over set in the open ground in rows two and one-half to three feet apart and eighteen inches apart in row. The plants will endure a slight frost. The soil for cauliflower should be like that for cabbage, but it is better if made richer than is ordinarily used for that crop. •



St. Louis Seed Co. Super Snowball

Extra Early Dwarf Erfurt. Extra select. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball and nearly as early. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use. **Pkt., 15c; ¼ oz., 65c; 1 oz., \$2.00; ¼ lb., \$7.00.**

Early Snowball. It is admirably adapted for forcing or wintering over for early crop and is the most popular sort for these purposes, also one of the best sorts for late summer and fall crop. The plants are compact, with few short, outside leaves and are well suited for close planting. The heads are of medium to large size, solid, compact, round, very white. **Pkt., 15c; ¼ oz., 65c; 1 oz., \$2.00; ¼ lb., \$7.00; 1 lb., \$25.00.**

CHINESE CABBAGE

This is not a true cabbage and is often called Celery Cabbage on account of the shape of the heads which resemble celery. The leaves are more like those of turnip in color and texture. The flavor is distinct and in the raw state is considered superior to cabbage. It combines the qualities of both celery and cabbage and is highly prized as a salad vegetable. Plant seed out of doors at the same time as turnip. Thin to 12 to 16 inches apart in the rows. If planted too early this species will "bolt" during hot weather and fail to form heads.

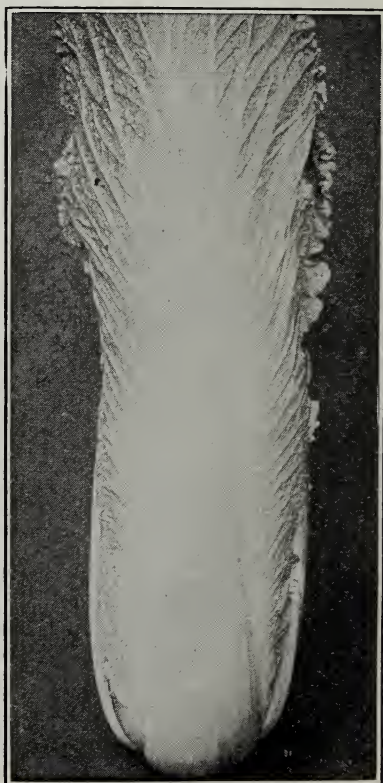
Wong Bok. A comparatively short type with blocky, pear shaped head. The foliage is medium light yellowish green and the plants are compact and leafy. Heads are 8 to 10 inches tall, tightly folded and are rich creamy white in color. This tender, succulent variety possesses a rich, appetizing flavor. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

Chihli. This is a sure heading, vigorous growing variety with erect dark green, roughened leaves which enclose a cylindrical pointed head 18 to 20 inches long. The heads are very compact and are white with a delicate tint of green. A very satisfactory variety for home garden and commercial growing. **Pkt., 10c; 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

St. Louis Seed Co. Super Snowball

This Snowball is healthier and more vigorous than any of the old stocks. The head is perfectly protected by leaves until it reaches a size of five inches in diameter, when only it needs to be tied up; and then, if growing conditions be favorable, the head will attain marketable size in a few day's time. If left standing the head will soon attain a size of ten inches across **Pkt., 15c; ¼ oz., 75c; 1 oz., \$2.50; 4 oz., \$8.00.**

St. L. S. Co.'s Early Perfection Erfurt Forcing. In this we have a strain that comprises all the fine points in Cauliflower. It is gorgeous beyond description, snowlike in color and its growth of the compact form that will delight the grower. For an early forcing variety it cannot be equalled and it is worthy of a trial. **Pkt., 15c; ¼ oz., 75c; 1 oz., \$2.50.**



Wong Bok

CARROT

One ounce will sow 100 feet of drill

Prices Postpaid

CULTURE—April is the time to sow for early use. Sow seeds in drills twelve to fifteen inches apart, and thin out from three to four inches in drill, covering seed about one-half inch. For general crop sow in May, same distance apart as above but cover seed a little deeper as sun is stronger. Perfect specimens require a fine pulverized, deep soil.

Carrots are not appreciated as they should be. Their table qualities are excellent, and as a food for stock they are surpassed by a few root crops. They are especially valuable when fed to dairy cows, producing an increased flow of rich milk and imparting a beautiful golden yellow to the butter. We urge a more general use of the Carrot among our customers. Like other root crops, it flourishes best in a well-enriched sandy soil deeply tilled, and if plowed the fall before, so much the better.

Guerande or Ox Heart. Especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. The tops are comparatively small. The mature roots are four and one-half to five inches long, very thick, ending abruptly in a small tap root. The flesh is bright orange, fine grained and sweet. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., 90c.**

Early Half-Long Scarlet Chantenay. Extra fine. This extensively used, half-long early variety has small tops and is excellent for the market or home garden. The roots are cylindrical, smooth and of a bright orange color. This variety is of the finest quality and is one of the most symmetrical and handsome of the medium sized sorts. The mature roots are usually five to six inches long. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

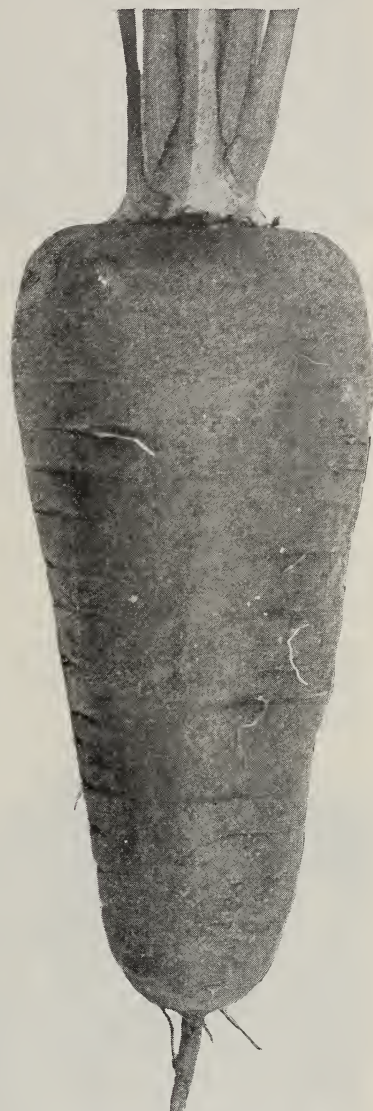
Red Cored Chantenay. The deep orange-red color and smooth symmetrical shape are combined with just the right size to make it appetizing. Its beauty is not merely skin deep; it goes clear through to the very center and the interior is even more tempting than the outside. The yellow ring which is usually found around the core of carrots has been bred out of Red Cored Chantenay and in the breeding a sweeter, richer flavor has been acquired. This flavor alone is enough to establish its superiority. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

Danver's Half-Long. (Selected). For a general crop Danver's Half-Long Carrot stands supreme; a half-long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, six to eight inches long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of good quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

Improved Rubican Stump-Rooted. It is a truly magnificent carrot of a rich orange shade and a most excellent flavor. As a carrot of all uses, it stands alone on account of its extreme sweetness and its enormous yielding properties. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

Frankfurt Stump-Rooted. A variety unsurpassed for quality and extensively used in the home garden. The roots are cylindrical, stumped, smooth, 6 inches long and most symmetrical. They are coreless and bright orange in color. Their fine grained, tender, brittle and sweet flavored quality has gained for them lasting popularity. We recommend this variety for home use. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

St. Valery. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.**



Early Half Long Chantenay

CARDOON

This is related to the Globe Artichoke but is grown for the leaf stems. When served like asparagus these form a very palatable dish. The stalks require blanching and are raised very much like celery. The rows should be about 4 feet apart and plants 2 feet apart in the rows. A rich soil is necessary in the production of a good crop. The vegetable is ready for use in late fall or winter.

Large Smooth. A tender and richly flavored variety which blanches easily and makes an attractive appearance. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

CELERY

One ounce will produce about 3,000 plants

A row of celery in the home garden will supply a family with a delicious vegetable until late in the fall. Its hardy qualities and adaptability to various soils and weather conditions make it a very desirable crop to grow.

CULTURE—The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row.

Florida Golden. (New). This variety has most of the characteristics of Golden Plume, but has greater height and weight of plant, and the edible portion of the stem is larger. It grows about 20 inches high. The length of the edible stem is from 7 to 8 inches. This is slightly darker than Golden Plume and the stems are broad, thick and solid and full hearted and very compact. It blanches to a cream color. **Pkt., 10c; ½ oz., 50c; 1 oz., \$1.00; ¼ lb., \$3.50; 1 lb., \$12.00.**

Golden Detroit. (New). This is a pure selection of the Dwarf Golden Self-blanching type. The handsome plants are heavy, very compact, stems are broad, and very thick. It grows about 18 inches high and the edible portion is 6 to 7 inches long. The leaves are a clean bright green, and the stems blanch easily to a fine deep yellow. **Pkt., 10c; ½ oz., 50c; 1 oz., \$1.00; ¼ lb., \$3.50; 1 lb., \$12.00.**

Golden Plume. This new strain of Celery closely resembles the old Golden Self-blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures rather earlier and shows less tendency to blight or crown-rot. It shows the large full-plumed center so much desired. **Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., \$2.25; 1 lb., \$8.00.**

White Plume. A handsome sort that matures very early. The plants are of vigorous growth while the stalks become large and very finely flavored. They blanch easily and quickly to a pure white. Their crisp, tender and uniform features make this variety very attractive. **Pkt., 10c; 1 oz., 25c; ¼ lb., 85c; 1 lb., \$3.00.**



Florida Golden

Curled Celery. This variety is a great favorite of the gardeners for cuttings and bunching. Its use for flavoring has made it very valuable and should be grown on that account. For use in soups, etc., it is unexcelled. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

CELERIAC (Turnip Rooted Celery)

In this kind of celery, the roots and not the leaf-stalks have been developed by cultivation. The roots, which are the edible portion, keep well for winter use and are excellent for flavoring soups and salads or boiled like turnips and parsnips.

Large Smooth Prague. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

CHICORY

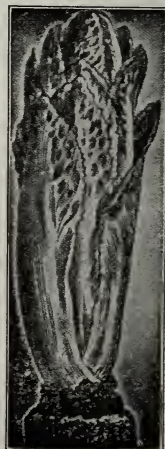
Witloof Chicory. In order to grow good "Witloof" the seed should be sown during April in the open ground, in drills 10 to 12 inches apart, in deep, rich soil. Allow the plants to grow until November, then take up the roots and trim off the leaves up to about 1½ inches from the neck. Then plant in a trench 8 to 12 inches deep, placing the roots upright, about 1½ inches apart.

Witloof. Is eaten raw or as a salad and is also sometimes cooked like ordinary Endive. This is the best variety of Chicory. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

Large Rooted. The finest flavored and hardiest growing variety. **Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.**



Golden Detroit



Witloof Celery

CHERVIL

A hardy annual with aromatic leaves somewhat resembling parsley and by many considered superior to it in flavor. The young leaves are used in soups and for flavoring and garnishing meats and vegetables.

Sow in early spring in rich, well prepared soil. The seed is slow to germinate, sometimes remaining in the earth 2 or 3 weeks before the plants appear. When the plants are about 2 inches high transplant or thin to about 1 foot apart. They are ready for use in 6 to 10 weeks from sowing.

Curled. This finely curled double variety makes a handsome showing and has a pleasing fragrance and flavor. It grows vigorously and matures early. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**



COLLARDS

This is a tall, loose leaved cabbage-like or kale-like plant grown throughout the South. It is extensively used for the table as well as for stock feeding in the South where it continues in growth and is usable throughout the entire winter. Sow the seed thickly in rows, in rich ground, transplanting when about 4 inches in height; or sow where the plants are to remain and when well started thin to 2 or 3 feet apart in the row. In the South, seed may be sown from January to May and from August to October.

Georgia, Southern. This vegetable develops a loose leaved head. It grows 2 or 3 feet high and produces large light green leaves on rather long stems. A frost, if not too severe, will improve the crop. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.**

CORN SALAD OR FETTICUS

One ounce will sow about 100 feet of drill.

Sow the seed in early spring at the time of the first sowing of lettuce and make successive plantings as often as desired. For very early salads, sow in the Fall and by protecting the plants during the winter months with leaves and straw, it can be gathered very early in the spring.

Large Leaved. The hardiest, earliest and most appetizing variety grown. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.**

CORN, SWEET OR SUGAR

Price Pkt., up to 5 lbs., Postpaid

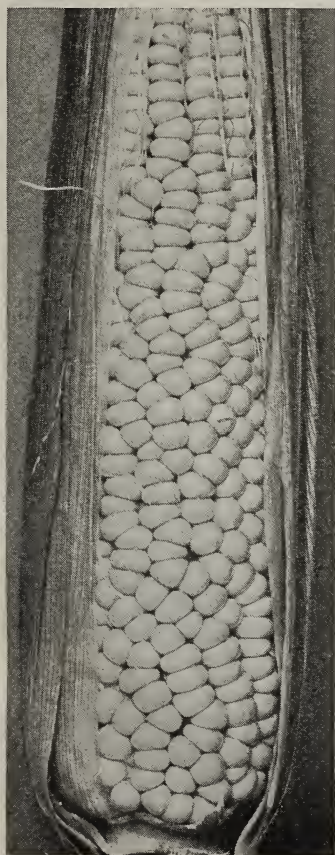
One pound of seed will plant about 100 hills; 20 to 25 pounds, an acre in hills.

A rich, warm soil is the best, but excellent sweet corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. In the north sweet corn may be planted as early as can be done without risking great loss from frosts or from rotting of the seed in the soil, but with the main crop varieties especially, it is well to wait until the ground has become warm as the sweeter varieties are more sensitive to cold and wet than field corn or varieties of inferior quality. If planted in rows, make the rows three to four feet apart, according to the vigor and growth of the variety, and place the seeds twelve to sixteen inches apart, in the row, covering one inch deep with fine soil firmly pressed down. If planted in hills, make the hills for the early varieties three feet apart each way and plant four to six kernels to the hill. For the later sorts the hills should be three and one-half to four feet apart each way. Hoe frequently and when six inches high thin so as to leave three or four plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

THE GOLDEN YELLOW KINDS

Golden Bantam. All yellow corns are not Golden Bantam nor do they all possess the many superior qualities of that variety. True Golden Bantam is early, being ready for the table in 78 to 80 days from date of planting. The ear has eight straight rows of broad meaty kernels which are a rich creamy golden yellow in color. The qualities of tenderness and rich sweet flavor were so highly developed that all attempts at improvement have proved wasted effort. The strain we offer is bred from the original early type and possesses all the excellent qualities that make this variety the leading home garden sweet corn. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

Bantam Evergreen. A Yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive. It is a cross between Golden Bantam and Stowell's Evergreen and is a most excellent sort of fine quality. The ears average 8 inches long and are 12-rowed, the grain is rather broad and deep and of a rich golden-yellow color, maturing in 85 days. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**



Country Gentleman

CORN—SWEET OR SUGAR

—Continued THE EARLY SORTS

Early Table. A flinty grain which enables it to be planted very early in cold ground. Height 4 to 4½ feet, producing ears within one foot of the ground, maturing in 65 days. A valuable substitute as an early variety, not a Sugar Corn, but a sweet table Corn of rare excellence. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.35.**

Whipple's Early. A very early variety, with deep grain, similar to Stowell's Evergreen. Ears are blocky in form, with 16 to 20 rows of deep grain of excellent quality, maturing in 80 days. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

Early Market. This new and valuable variety of Sweet or Sugar Corn has eclipsed all other sorts. It is as early as the Cory and nearly twice as large, being 12-rowed and of great length, maturing in 75 days. The color is a beautiful creamy white. In quality, sweetness and flavor it is superior to any second early sort known and a very heavy yielder. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

Black Mexican. This is one of the richest flavored and tenderest of sweet corns. Many are misled by the color of the ripe seed which is bluish black, but when in table condition the kernels are pearly white and superior to many of the other white sweet corns. The ears are 8 rowed, 8 to 9 inches long and are ready for the table in 88 days. As a midseason variety this will prove surprisingly good. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

GENERAL CROP AND LATE

Howling Mob. The stalks are usually about 5 feet in height and produce early in the season two splendid ears to a stalk. The ears are seven to nine inches in length and are well covered with a heavy husk, maturing in 80 days. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

Stowell's Evergreen. The standard main crop variety, much used for the home garden, market and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best known of all late sorts. The ears about ten to twelve inches long, fourteen to twenty rowed, with very white grain, maturing in 95 to 100 days. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

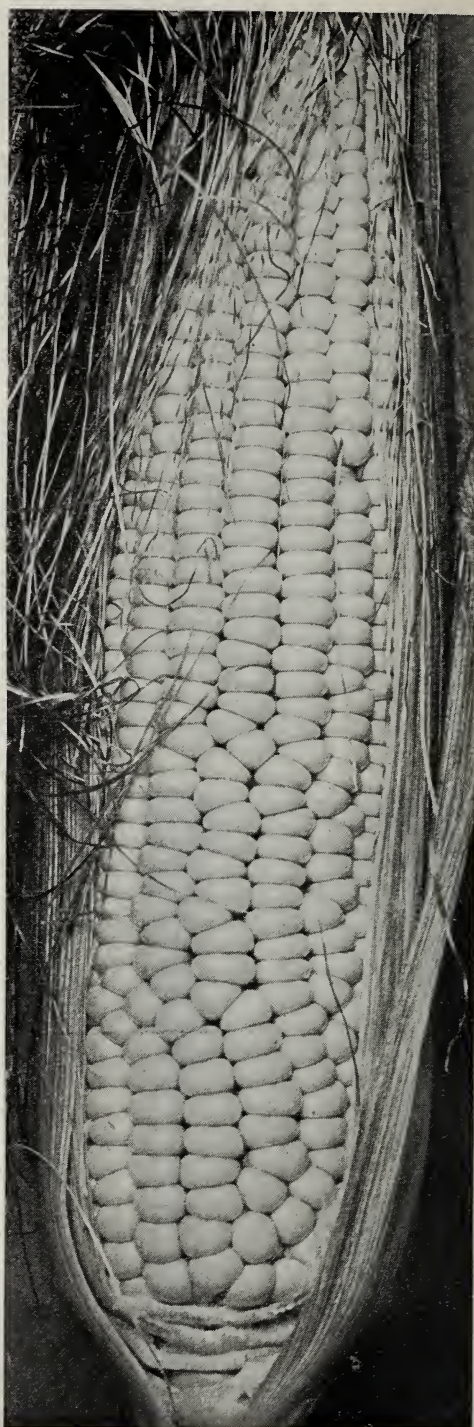
Country Gentleman. A distinct and outstanding late variety. The ears are 8 to 9 inches long with an exceptionally slender cob which is densely packed with long slender, "shoe-peg" kernels growing in staggered or irregular pattern. This comes into use in about 100 days after planting and remains in condition for 5 or 6 days. The plants grow to a height of 7 feet and frequently produce 3 ears. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.40.**

MARKET GARDENER LIST—Express Extra

	10 lbs.	25 lbs.	100 lbs.
Early Market.....	\$1.80	\$4.00	14.00
Early Table.....	1.80	4.00	14.00
Whipple's Early.....	1.90	4.25	15.00
Golden Bantam.....	1.90	4.25	15.00
Bantam Evergreen.....	2.10	4.75	17.00
Country Gentleman.....	2.20	5.00	18.00
Howling Mob.....	1.90	4.25	15.00
Stowell's Evergreen.....	2.00	4.50	16.00

POP CORN

Japanese Hulless. Also known in some sections as Japanese Rice. The Japanese Hulless is a dwarf-growing corn, a heavy yielder of attractive ears peculiar in form, being nearly as thick as long. The kernels are similar to the best strains of White Rice, only longer and slimmer and pearly white in color, but its crowning merit lies in its popping quality, a fine flavor and absence of hull or shell. **Pkt., 10c; 1 lb., 25c.**



SEED CORN TREATMENT REDUCES DISEASE DAMAGE

Seed disinfection with **Improved Semesan, Jr.**, will help greatly to prevent damages by diseases to the roots, stalks and ears of Field and Sweet Corn. It protects seed against rotting, permits earlier planting, increases germination, controls blight and increases crop yields.

Prices for Semesan, Jr.

4-oz. tins, 50c; 1-lb. tins, \$1.75; 5-lb. tins, \$8.00.

CUCUMBER

Price Postpaid

One ounce will plant 50 hills; 2 pounds will plant an acre in hills; 5 pounds in drills.

CULTURE—The first planting should be made in May in hotbeds; inverted sods form an excellent medium for both planting on and carrying the younger plants to their permanent location, small paper pots can also be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks.

The striped cucumber beetle is often very destructive to young plants. These beetles, when not very numerous, are usually kept from doing serious damage by dusting the plants with Slug Shot.

Early White Spine. This truly is the peerless cucumber and for slicing it has no equal. Our select strain of this variety is unsurpassed for the table or market. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., 90c.**

Extra Long or Evergreen White Spine. The fruits of this very desirable table sort are long, cylindrical, very dark green, with very white, crisp and tender flesh. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

St. L. S. Co.'s Improved Green Hybrid. In our "Improved Green Hybrid" we offer the perfect cucumber, an extra early species of a most remarkable quality as well as appearance. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

Arlington Improved White Spine. One of the best sorts for table use. The fruits are uniformly straight, dark green, fairly well covered with white spines and when mature are usually about seven inches in length. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00**

Davis Perfect. A very fine cucumber for market as well as the home garden. Fine length, beautiful dark green color. Fruits eight to ten inches long, tapering at both ends, solid flesh, few seeds. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; 5 lbs., \$4.50.**

London Long Green. The fruits are very long, often twelve to fifteen inches when mature, pure yellow when ripe. The large warts and spines are well distributed over the surface instead of being clustered at one end as in inferior stocks. It is a standard sort for slicing and is very largely used for pickles. **Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25; 5 lbs., \$5.75.**

Rice's Longfellow. This is a dark green, cucumber of the white spine class. The fruits are eight to ten inches long, cylindrical in shape, and a fine glossy green in color. They retain their fine color for a remarkably long time and on that account are very well adapted for shipping. No long, slender cucumber carries its beautiful dark green color better than the Longfellow and because of its shy seeding habit the seed of the true Longfellow cannot be produced as cheaply as that of more seedy types. **Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.**



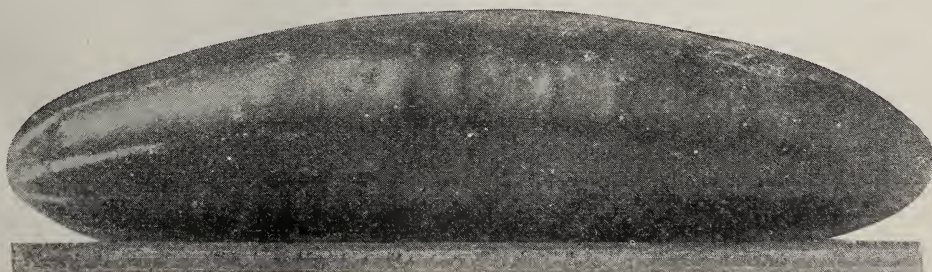
Snows Pickle

Snow's Pickling. This is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days and is the earliest of the varieties in common use. The fruits are blocky and regular in shape and are medium dark green with delicate pale green flesh. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

Jersey Pickling. This variety is between the Long and the Short Green, forming a long, slender, cylindrical deep green pickle which is very crisp and tender. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., 90c.**

Gherkin or Burr. An early maturing, very small, dark green cucumber; cylindrical, square ended, and very popular with many growers who want an ideal bottle pickle. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Japanese Climbing. Here is a variety that won't take up so much space in your garden as it easily trails up poles or trellises. **Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**



St. L. S. Co.'s Improved Green Hybrid



Cress

Water Cress. A very hardy plant which can be grown easily in a shallow pond of fresh water or along the edges of shallow running streams. Seeds may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the stream or pond. **Pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50.**



Green Curled Endive

ENDIVE

One ounce of seed to 300 feet of row.

One of the best salads for fall and winter use. Endive is not only much used for salads and garnishing but is also desirable for greens and for flavoring soups and stews. Plants may be grown at any season of the year but are more generally used late in the fall. For early use sow about April 15th; for later supply sow in June or July in drills 14 to 20 inches apart and when well started thin the plants to one foot apart. When nearly full grown tie the outer leaves together over the center in order to blanch the heart of the plant.

Green Curled. Ornamental curled leaves of dark green color. Blanching white and crisp. This is the standard variety and most widely planted. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

White Curled. Leaves are not as tender as the green curled, but it is self-blanching and very attractive. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

Broad-Leaved or Escarolle. Broad, thick ribs, with slightly wrinkled leaves. This is the best broad-leaved variety. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

CRESS

One ounce of Cress will sow two hundred feet of row.

As early in spring as the ground can be worked sow the seed in rich, well prepared soil, in shallow drills, about sixteen inches apart, covering with about one-half inch of fine soil firmly pressed down. When the young plants are well started thin four to six inches apart in the row. For succession plant every two weeks, thinning out as required for use. Keep off insects by dusting with Hammond's slug shot.

Curled or Pepper Grass. The leaves of this small salad are much frilled or curled, and are used for garnishing. It is also desirable with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. The plant is of rapid growth, about one foot high. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

DILL

Dill Mammoth. An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill Pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.**

DANDELION

One ounce will sow 100 feet of row.

New Cultivated: Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with ½ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens. **Pkt., 10c; oz., 75c; ¼ lb., \$2.50.**



Broad-Leaved or Escarolle

EGG PLANT

One ounce will produce about 1,000 plants.

Any good garden soil will serve, but fertilizing will repay. Start seed in greenhouse or hotbed in March. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about May 1, allowing 2½ feet between plants each way. Hoe frequently, keeping the soil loose and fine. Cover soil with a mulch of straw 2 inches deep to preserve moisture during hot weather. Do best in warm weather.

St. L. S. Co.'s Improved Oval Spineless. The strong bushes are larger than Black Beauty and keep the "eggs" off the ground better. The large dark purplish black fruits are heavy at the base narrowing toward the top, being very early. Hardy and productive. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$5.00.**

Black Beauty. The fruits are rich dark purple, large and symmetrical, maturing a little earlier than our Improved Large Purple but usually not quite as large. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$5.00.**

Early Long Purple. An early variety; dark purple fruit, six to eight inches long. This variety is a general favorite both for market and home garden. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$5.00.**



St. L. S. Co.'s Imp. Oval Spineless Egg Plant

HERBS SWEET, MEDICINAL AND POT HERBS

CULTURE—For early sow seed in hotbed in March, or open ground in May, in rows one foot apart. Cover very lightly and thin out when large enough to six or eight inches in row. They should be cut on a dry day, before they come into full blossom. Tie in bunches and keep where they will dry quickly.

The varieties marked in asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry, wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in bottles and cork tightly, and store them away, which will preserve them for any period.

Anise. An annual herb cultivated principally for its seeds which have a fragrant, agreeable smell and a pleasant taste. **Pkt., 10c; oz., 35c.**

Basil Sweet. A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. **Pkt., 10c; ½ oz., 35c.**

Borage. A hardy annual used as a pot herb and for bee pasturage. Leaves are sometimes used in salads to give a cucumber-like taste. **Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

Caraway. A well-known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. **Pkt., 10c; oz., 30c.**

***Catnip or Catmint.** For seasoning. **Pkt., 10c.**

Chervil, Curled. Used in soup. **Pkt., 10c.**

Coriander. A hardy annual cultivated for its seed which has an agreeable taste. **Pkt., 10c; oz., 30c.**

***Fennel, Sweet.** A hardy perennial. The seeds of this aromatic herb have a pleasant taste. **Pkt., 10c; oz., 30c.**

***Horehound.** A perennial herb with an aromatic odor and a bitter pungent taste. It is a tonic and enters largely into the composition of cough syrups and lozenges. **Pkt., 10c; ½ oz., 30c.**

***Lavender.** A hardy perennial, growing about two feet high. **Pkt., 10c; ½ oz., 30c.**

***Marjoram, Sweet.** An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc., and are also dried for winter use. **Pkt., 10c; ½ oz., 30c.**

***Pennyroyal.** Used medicinally. **Pkt., 20c.**

Pimpinella (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. **Pkt., 10c; oz., 35c.**

***Rosemary.** The leaves are used for flavoring meats and soups, and for medicinal drinks. **Pkt., 10c; oz., 25c.**

***Sage.** It is also believed to possess medicinal properties. Hardy perennial, about fifteen to eighteen inches high. **Pkt., 10c; ½ oz., 20c; 1 oz., 30c.**

Saffron. A hardy annual. Cultivated for its flowers which are used principally for coloring. **Pkt., 10c; ½ oz., 35c.**

***Sorrel (Broad-Leaved).** For boiling "greens" or salad. Cooks like spinach or with it, one-third Sorrel. **Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

Savory, Summer. A hardy aromatic annual twelve to fifteen inches high, the dried stems, leaves and flowers of which are extensively used for seasoning. **Pkt., 10c; oz., 35c.**

***Tansy.** For seasoning. **Pkt., 10c; ½ oz., 40c.**

Tarragon (Estragon). For flavoring. The young leaves are used for pickles, vinegar, etc. **Pkt., 10c.**

***Thyme.** An aromatic perennial herb, eight to ten inches high, used principally for seasoning. **Pkt., 10c; ½ oz., 40c.**

***Woodruff.** Fragrant leaves and stems; used for putting among clothes. **Pkt., 10c; ½ oz., 35c.**

***Wormwood.** Used medicinally and in liquors; a good tonic for poultry. **Pkt., 10c; ½ oz., 35c.**



Kale Tall Scotch

Dwarf German for Spring. An improved selection of the ordinary Dwarf German Greens. A superior variety for market culture. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**

Dwarf German Green Home Grown (for Fall). Largely grown for supplying "greens" during the Fall, Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.**

Double Curled Scotch. Desirable for Winter and Spring greens. Leaves are curly like Parsley, tender and of very fine flavor. It is improved by frost. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.**

Tall Scotch. This variety makes beautiful plants, 2 feet or more in height. Leaves are finely curled and very tender. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.**



Early White Vienna

KALE

Sow four pounds to the acre; one ounce will sow 150 feet of drill.

This is extensively grown, especially in the south during the fall, winter and spring. The leaves are used principally for greens. A favorite way is to cook them with bacon. The leaves are also used for garnishing.

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills 18 inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy.



Dwarf German Green Kale

KOHLRABI

One ounce will sow about 200 feet of drill.

CULTURE—This is a very delicious vegetable. The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip. Seed should be sown in light, rich soil as early in spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row.

Early White Vienna. A standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort on account of its earliness. **Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

Early Purple Vienna. Differs from the early White Vienna in color only. **Pkt., 10c; oz., 20c; ¼ lb., 65c.**

LEEK

One ounce will sow 100 feet of row; 4 pounds will sow an acre.

This belongs to the onion family and is a good fall and winter substitute for green onions. The leaves are flat, and the stems are very large, cylindrical and bulbous. Sow early in spring in drills twelve to fifteen inches apart, covering one-half inch deep. Thin plants to six inches apart in row and draw the earth about them when cultivating.

London Flag. This well known broad leaved leek is hardy, productive, of good quality. **Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

Large Rouen. Stems very thick bit comparatively short. Leaves broad. **Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

LETTUCE

Postpaid

One ounce will produce from 2,000 to 3,000 plants; 3 pounds will sow an acre.

Lettuce may be grown in every garden. Well-rotted stable manure should be well mixed in the soil. If this cannot be secured, use good commercial fertilizer, which should be raked in after digging. Sow seed as soon as ground can be worked, and thin out as desired. If for heading, leave plants 8 to 10 inches apart. If for cutting, they may be left much closer. Successive sowings may be made until about August 5. Constant cultivation is necessary.

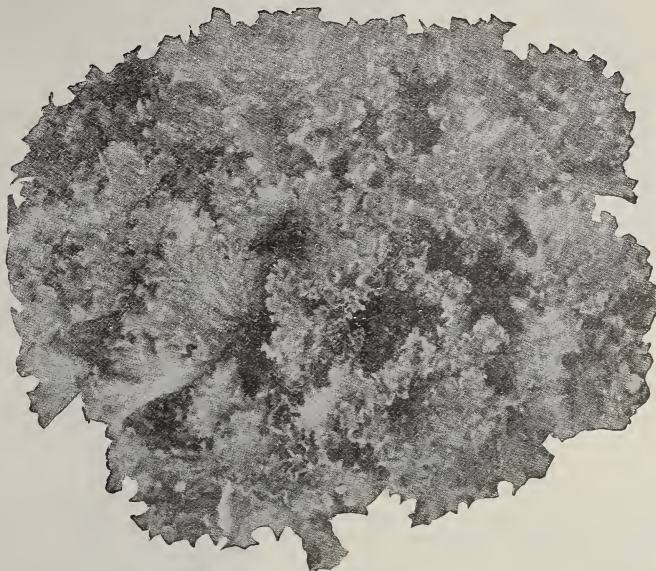
EARLY CURLED VARIETIES

Early Curled Simpson. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

Black Seeded Simpson. Larger and lighter color than Early Curled Simpson. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Grand Rapids. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Prize Head. As its name implies, forms a very large, loose head, slightly tinged with brown. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



Grand Rapids Lettuce

BEST HEADING VARIETIES

Mammoth Black Seeded Butter. A fine variety for outdoor planting or for cold frames, either for the market or home use. It produces extra large heads, very compact, of a fine flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Iceberg. A sure and hard-heading hot-weather variety. Outer leaves light green, curly, and finely fringed. Hearts are of a beautiful white color, crisp and tender. Fine appearance and mild flavor. Use this during the hot summer months. This is quite commonly confused with New York, but is really distinct, being much lighter in color. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

St. L. S. Co.'s Big Boston. This grand variety has proved to be valuable. Whether it is grown in the open ground for Summer and Fall use, or in frames for Spring, it still produces the splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

N. Y. Wonderful. This is a decidedly crisp, cabbage-heading variety. It is very large and robust growing, rooting deeply, resisting hot, dry weather, is very slow to run to seed, and is a sure header under most trying conditions. The solid heads often measure 15 inches across. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$2.00.



Big Boston



ST. L. S. CO.'S BIG MARKET GARDENER LETTUCE

All Postpaid

A Grand Large Cabbage Lettuce—Early Spring or Fall.

This is the most extensively grown lettuce in the country either for market or private tables. For a time-tried and true Lettuce you will find the Market Gardener the finest lettuce that can be planted when you consider its many fine qualities. Whether grown in the open ground for early Spring or Fall use, or in frames for Spring, it invariably gives both the grower and user the utmost satisfaction, producing under ordinarily favorable conditions, splendid buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender, sweet, white and of the most exquisite flavor. Its handsome appearance with large outside leaves and its long-standing qualities without running to seed have made it the universal favorite. The best test is to visit some of the large growers in this vicinity and see the large areas of it; may be seen as late as November 15th; a slight covering of salt hay amply protects the plants from hard frosts, and when cut for market the leaves are fresh and bright.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. L. S. Co.'s Black Seeded Forcing. The favorite of gardeners who grow for the St. Louis market. Where there is always a big demand for this popular variety. Heads are of a medium size, well formed and compact, of excellent quality and fine appearance. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. L. S. Co.'s Summer. This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. It is a very large, robust-growing variety, and a sure header; forms a head in six weeks; at least ten days earlier than the Big Boston. May be sown all through the year and stands heat remarkably well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. L. S. Co.'s Imp. Butter. This is one of the finest, the most brittle as well as the crispest lettuce. This delicious variety is of the cabbage type. Every plant is uniformly perfect, nearly all head with but few outside leaves. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

St. Louis Market. A great favorite among the gardeners where its many good qualities insure for it a big market demand, with a good price for same. Its large heads of crisp, buttery flavor have made this variety the most popular market variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Hanson. In every respect an ideal lettuce. It never fails to make large, handsome heads. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

Hardy Green Winter. The standard Winter sort. Of delicious flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Trianon Cos (Romaine). Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and a long narrow spoon shape. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Chicken Lettuce. We offer American grown seed of this foreign variety which is of little value for table use but is in great demand among poultry raisers for feeding chickens. If thinned to about 8 inches it will form a large cluster of leaves and will rapidly run to seed. It furnishes an abundant supply of green feed for poultry when the seed stalk is about 2 feet tall. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

MUSKMELON (Postpaid)

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart according to the vigor of the variety. Put 10 to 12 seeds in a hill, covering with about an inch of fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impracticable. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

Green Fleshed Varieties

Colorado Queen. The best green-fleshed melon for shipping long distances. The netting is heavy, slightly covering the ribs. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

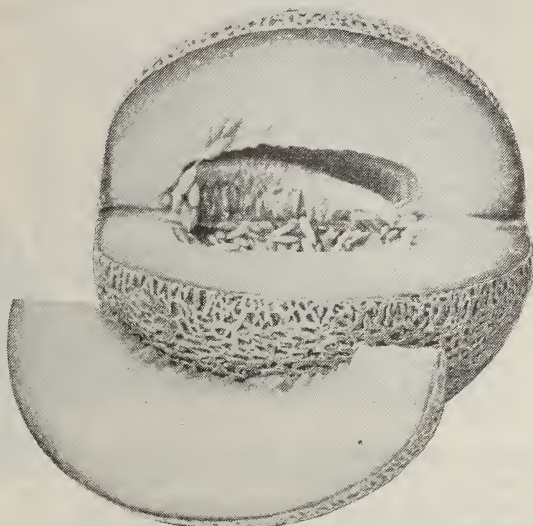
St. Louis Market. By far the sweetest and most delicious, richly flavored melon ever grown. Flesh is green and delicious, rind is green and solid. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

Honey Dew. The skin when ripe is creamy yellow in color. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Salmon Fleshed Varieties

Banana. The flesh (the melon being so nearly solid) is of a rich salmon. If grows from 20 to 28 inches in length and is very prolific. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Burrell's Gem or Defender. Size averages 6 inches long by four inches thick through, is distinctly ribbed, beautifully netted. Thick, firm luscious salmon-orange flesh. Maturing in 95 days. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**



Hearts of Gold

Hale's Best (selected stock). This is the Melon now grown so extensively in the Imperial Valley, Cal., for early shipment to the big Eastern markets. On account of its remarkable earliness and fine shipping qualities it has now superseded the old time Rocky Ford. Hale's Best is slightly larger and 2 weeks earlier than the standard Rocky Ford, and is pink fleshed clear to the rind, which is well ribbed and netted. The flesh is very thick; with only a small seed cavity and of excellent quality, being sweet. Maturing in 85 days. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

Hearts of Gold or Improved Hoodoo. This is an orange fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort for the home garden. The vines are vigorous, blight resisting and very productive. The fruits are nearly round and are uniformly of medium size. The netting is exceptionally fine and dense, extending over practically the entire surface. The flesh is very thick, firm, highly colored, of fine texture and delicious flavor. Maturing in 100 days. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

Rocky Ford Pink Meat (Pollack No. 10-25). The fruits are of great uniformity in size and shape, with well developed gray netting, closely laced and covering the entire surface. The rich salmon flesh is deep, very solid, of a luscious sweet flavor, and ripens clear to the rind. Its shipping qualities are excellent. Maturing in 85 days. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

Tip-Top. The most productive muskmelon known; good for early or late; having a sweet, juicy, fine flavor, solid flesh and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed. Maturing in 90 days. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**



Rocky Ford Pink Meat (Pollack No. 10-25)

WATERMELON

Postpaid

CULTURE—Treat the same as Muskmelon, except that they should be planted 8 to 10 feet apart, according to variety. Maturing from 95 to 100 days.

Florida Favorite. Shape oblong with light and dark green skin; flesh is bright crimson and deliciously sweet. We offer only a select stock of this famous melon. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

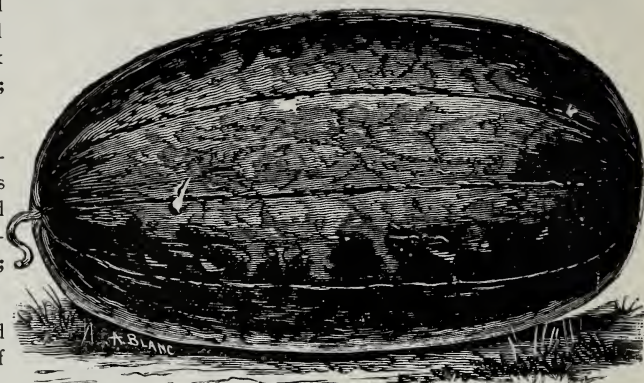
Georgia Rattlesnake. One of the largest varieties, and stands shipping long distances. Fruits of good size, oblong in form, distinctly striped and mottled; flesh bright scarlet and of excellent quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

McIver's Wonderful Sugar. This celebrated melon is claimed by many to be the sweetest of all varieties. Crisp, free from any strings. Solid meat. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.**

Stone Mountain. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid, with fewer seeds than most watermelons. This is rapidly gaining a well deserved popularity in the South where the fruits frequently attain a weight of 60 to 80 pounds. The rind is tough enough to stand handling for nearby markets but will not stand long distance shipping. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

Fordhook Early. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Kleckly Sweets (Monte Cristo). Is especially recommended for its fine flavor—in this respect surpassing most all others. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**

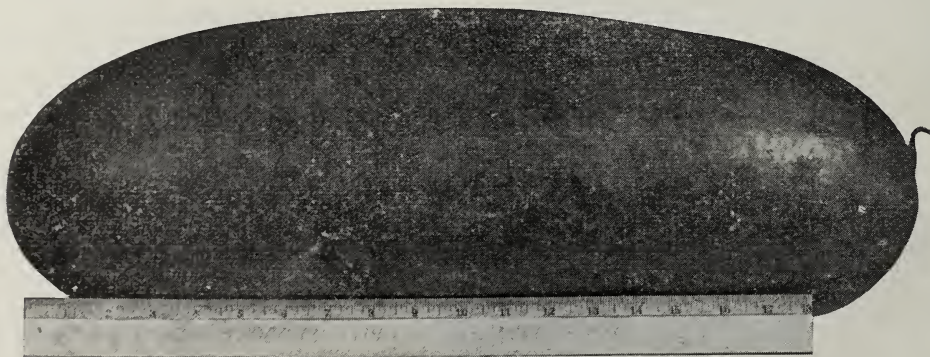


Tom Watson

Tom Watson. A large, long melon similar in shape, color and splendid quality, averaging large in size and with a tough rind, making it especially adapted for shipping to distant markets. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Irish Gray. A comparatively new variety that is becoming very popular as a shipping sort. Fruits long oval in shape and of light yellowish grey color. The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

Citron. The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The flesh is white and solid, but is not at all suitable for eating raw. Seed red. **Pkt., 5c; oz., 10c; ¼ lb., 25c.**



Irish Gray

We Deliver Free in the U. S. All Vegetable and Flower Seeds by the Packet, Ounce, up to Five Pounds

MUSTARD (Postpaid)

(One ounce will sow 40 feet of drill.)

Mustard is not only used as a condiment but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks.

Komatsuna or Mustard Spinach. A new variety introduced in this country from Japan. It takes the place of Spinach as it remains tender even in dry weather. Pkt., 5c; 1 oz., 10c; 4 oz., 30c; 1 lb., 75c.

Fordhook Curled. When cooked like spinach the broad leaves of this variety are delicious. They are often more than a foot in length and crimped. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Southern Giant Curled. The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c;

White or Yellow. The leaves are comparatively small and smooth deeply cut or divided and of medium dark green color. Seeds are used for pickling. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Long Standing Curled. The leaves of this variety are closely curled and finely fringed. The yellowish green color and compact erect habit of growth lends a decorative touch to the garden and the tender quality and fine flavor of this variety render it one of the most desirable for salads and greens. A little slower growing than the frilled varieties but longer standing. Pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 75c.

MUSHROOM

Mushroom Culture Leaflet Mailed Free

Ask for it when you order your Spawn

We always have a fine, fresh supply of "Pure Culture" Spawn on hand, and you can depend on getting the kind of spawn that will produce large mushrooms. This spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. Be sure to mention the cultural leaflet when you order your spawn. **Per brick, 25c; 5 bricks, \$1.00.** If wanted by parcel post add 5 cents a brick for postage.



BOOK ON GROWING MUSHROOM

Mushroom Culture. By Robinson. The best English book, cloth bound. \$1.00 postpaid.

Mushrooms. By B. M. Duggar. The best American book, cloth bound. \$2.00 postpaid.



OKRA OR GUMBO

The young seed pods are used in soups, stews, catsup, etc. Highly esteemed in the south. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about one foot apart in the row.

Perkins Mammoth Long Pod. In productiveness this Okra is simply wonderful. Pods of an intense green color. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.

Early Dwarf Green. An extra early maturing variety. Very productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.

White Velvet. The plants are about three and one-half feet high, early maturing and very productive. The pods are white, long, smooth and are tender until nearly full sized. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.



Dwarf Green Okra

ONION (Postpaid)

An ounce will sow 100 feet of drill. Four to five pounds to the acre for Large Onions

The Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment and has valuable Medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The disagreeable odor it imparts to the breath may be avoided in a great measure by thorough cooking, or by eating a few leaves of parsley.

In onion culture, thorough preparation of the ground, careful sowing and the best of after culture, though essential for a full yield, will avail nothing unless seed of the best quality be used. Experience enables us to produce onion seed that is unsurpassed. The seed we offer is the best obtainable.

Although onions are often raised from sets and from division, by far the best and cheapest mode of production is from seed. The facility with which seed is sown and the superior bulbs it produces, recommend it for general use.

As early in spring as ground can be worked, sow in rich soil, thoroughly pulverized and leveled, in rows twelve to fifteen inches apart, covering one-half inch deep. When the plants are well up, cultivate and keep free from weeds. The young plants may be thinned about one inch apart in the row. When grown for bunching, the rows can be made as close as ten inches.



Riverside Sweet Spanish. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Pkt., 10c; 1 oz., 25c; ¼ lb., 85c; 1 lb., \$3.00.

Large Red Globe. This most excellent main crop Onion produces medium to large sized perfect globe-shaped bulbs with small neck, smooth and glossy, and of deep purplish red color, even darker than Large Red Wethersfield. One of the best keepers. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.65.

Large Red Wethersfield. The bulbs are large and are flattened, yet quite thick. The skin is deep purplish red. The flesh is light purplish white, moderately fine grained, rather strong but of pleasant flavor. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Large White Globe. A most desirable medium early or main crop variety for the home garden. It is sometimes called Southport White Globe. The variety yields abundantly producing medium to large, handsome and finely shaped clear white bulbs. Pkt., 10c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.25.

Welsh or Bunching. The earliest and best shaped onion for early bunching; small bulbs, skin pearly white, flesh of good quality and flavor. Best when used as an early crop. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

Giant Yellow Prize Taker. A very handsome late or main crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

Mammoth Silver King (White Granus). One of the greatest, grandest and most delicious Onions ever offered. Grows very large, early; flat, but thick through; tender and of a very mild, sweet flavor; uniform in size and shape. Pkt., 10c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.25.

Philadelphia Silverskin. This is a medium sized onion of mild flavor and with beautiful, clear white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.65.

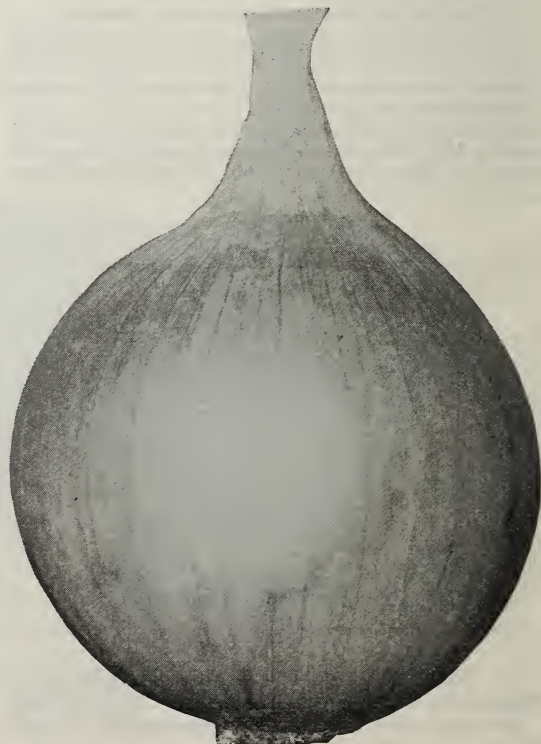
ONION SETS

(By Parcel Post, add 5c a quart postage.
Prices subject to change)

Yellow Onion Sets. Qt., 20c; gal., 65c; Bu., 32 lbs., \$2.25.

Red Onion Sets. Qt., 20c; gal., 65c; Bu., 32 lbs., \$2.25.

White Onion Sets. Qt., 25c; gal., 75c; Bu., 32 lbs., \$2.50.



Large White Globe

PARSLEY (Postpaid)

Parsley succeeds best on rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the spring, in rows 1 to 2 feet apart, covering not more than $\frac{1}{2}$ inch with fine soil firmly pressed down. When the plants are well up thin 8 to 12 inches apart in the row. When the plants of the curled varieties are about 3 inches high cut off all the leaves; the plant will then start a new growth of leaves which will be brighter and better curled. Later, if these turn dull or brown they can be cut in the same way; every cutting will result in improvement of the quality of the leaves.

Extra Triple Curled (Moss Curled). One of the most popular varieties owing to the fine deep green color and attractive foliage which resembles moss because of the tightly curled leaves. A vigorous and compact grower. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

Hamburg. Thick Rooted. The root of this variety is edible and resembles a parsnip in color and shape. It is extensively used for flavoring soups and stews. The roots may be stored in sand for winter use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.



Curled Parsley

Plain or Single. The leaves are deeply cut, flat and dark green in color. They are extensively used for flavoring and for drying. The plant is easily grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

PARSNIP (Postpaid)

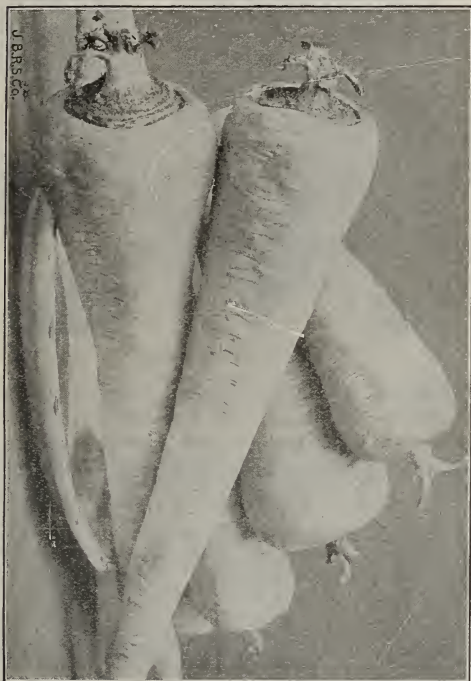
One ounce of seed for 200 ft. of row; 5 lbs. required for an acre.

The value of the Parsnip as a culinary vegetable is well known, but it is not generally appreciated at its full value for stock feeding. On favorable soil it yields an immense crop of roots, more nutritious than turnips and very valuable for dairy stock. Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills two and one-half feet apart; cover one-half inch deep and press the soil firmly over the seed.

Hollow Crown, Thick Shoulder. This is the most popular and best variety in cultivation. The skin is smooth and white while the flesh is tender. The roots grow to 18 to 20 inches in length and the best part is contained in the first 8 inches from the top. It is very sweet and tender and is increased in value by moderate freezing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 85c.

PEANUTS

PLANTED in April, they ripen in summer, and planted as late as July 1st, they will mature full crops before frost. Lb., 25c; 5 lbs., \$1.00, add postage.



GARDEN PEAS Price Pkt. up to 5 lbs., Postpaid

One to Two Pounds will plant 100 feet of row; 120 lbs. will plant an acre. They can be sown in the spring, just as soon as the ground can be worked.

For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas, furthermore, such soil is often the cause of early sorts maturing unevenly.

Sow as early as possible a few of some early variety in warm, quick soil, prepared the fall before, planting in double rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity. The peas will give quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way.

SMOOTH-SEEDED EXTRA-EARLY

Mammoth Pod Ex. Early. This is without question the best extra early pea for market gardeners. It is only five days later than Alaska and the pods are almost as large as Gradus. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Height, three feet. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs. \$1.40.

Alaska. A wonderfully productive small-podded and extremely early sort, grown on a very large scale throughout the United States for first crop. The vines, of a peculiar, distinctive, light green tinge, are $2\frac{1}{2}$ to 3 feet high. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 5 lbs. \$1.20.

PEAS—Continued

EARLY VARIETIES (Wrinkled)

American Wonder. The old popular favorite among all who grow peas. In our American Wonder you have all the finest qualities that could be desired, for the small, dwarf-like bushes are so heavily laden with peas of the finest quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.30.**

Little Marvel. We consider this the most desirable of dwarf varieties for the home garden. The dark green vines are 18 to 20 inches in height, very sturdy and vigorous, and are loaded with pods. These are very deep green, 3 inches long, blunt ended and closely packed with peas of medium size. The peas are of tempting dark green color, extremely tender and unsurpassed in sweetness. This variety is only 4 or 5 days later than the earliest garden sort and should be planted as the main crop in any garden. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.35.**

Gradus. A very early, wrinkled pea. The vines are similar in appearance to Telephone but of medium height, only about three and one-half feet. The pods are very large, four inches long, uniformly well shaped. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c, 5 lbs., \$1.35.**

Laxtonian. The dwarf, medium early, 18-inch vines are very vigorous, sturdy and productive; foliage dark green; productive very dark green, large, full pods 4 inches long, curving very slightly to the point. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.35.**



Early Alaska

Laxton's Progress. The earliest large podded dwarf pea. Height 18 inches. In season four days earlier than Laxtonian. Pods 4 inches long, broad and pointed, deep green in color, containing 8 large, dark green peas of high quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.35.**

Pilot Improved. A popular market gardener's large podded, medium early, smooth peas, much more productive than the old type Pilot, with larger pods. Seed large, light to dark green in color. Height 3 ft. Foliage medium green, pods a shade darker, peas dark green. Pods 3¾ in. long, rather broad and pointed and containing 6 to 7 peas; productive. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.35.**

PEAS, EDIBLE POD

Edible Pod Tall Melting Sugar. A foreign pea, little known in this country. A wonderful productive sort. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$2.25.**

Edible Pod Dwarf Grey Sugar. Of a dwarf growth, a fine edible pod when young. **Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$2.25.**

Price on Peas--Express charges extra.

	10 lbs.	25 lbs.	100 lbs.
Mammoth Pod, Extra Early.....	\$2.10	\$4.75	\$17.00
Alaska.....	1.90	4.25	15.00
American Wonder.....	2.00	4.50	16.00
Little Marvel.....	2.10	1.90	17.00
Gradus.....	2.00	4.50	16.00
Laxton's Progress.....	2.20	5.00	18.00
Laxtonian.....	2.10	4.75	17.00
Pilot Improved.....	2.10	4.75	17.00



Gradus

PEPPER

One ounce will produce about 2,000 plants

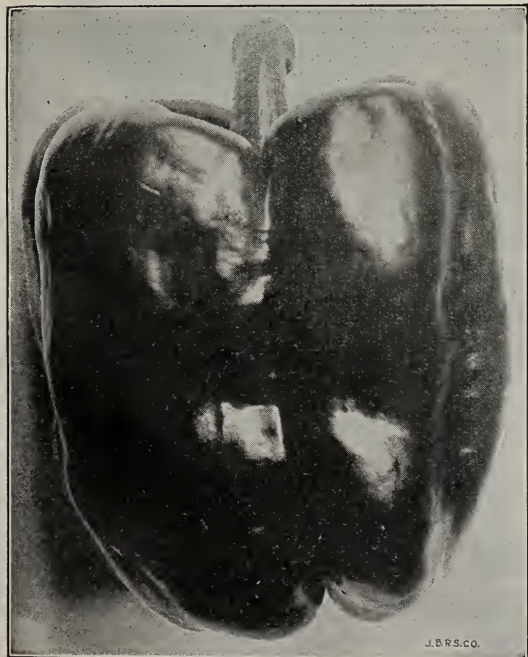
CULTURE—Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in row.

The garden varieties of pepper are divided into two classes, each of which has its special uses. They generally are classified as "hot" and "sweet" peppers. The hot varieties are nearly all much smaller than the sweet ones and the smallest fruited varieties are usually the hottest. The sweet peppers have thicker flesh, are larger and do not possess the pungent quality of the hot ones. They are becoming more popular for garnishing and in relishes, etc.

Harris' Early Giant. This most admirable sort is especially adapted to Northern growing because of its early maturity. The peppers are larger than any other early sort, $3\frac{1}{2}$ inches in diameter and $4\frac{1}{2}$ inches long. For unripe picking they are medium dark green and in maturity are bright red. The flesh is moderately thick and of excellent quality. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.**

Chinese Giant. A variety that produces prize fruits. They are often 6 inches across and $4\frac{1}{2}$ to 5 inches deep. These large blocky fruits are creased lengthwise and folded in at the end. The flesh is moderately thick and very mild. The fruits are rich bright green when young and bright cherry red at maturity. These are excellent for use in relishes and salads and are suitable for stuffing when half grown. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.**

Large Sweet Spanish. An excellent quality late pepper of most attractive appearance. The plants are very compact and productive of large long fruits, 7 inches in length and 2 inches in diameter. The young fruits have very thick, mild, deep green flesh, covered by a dull grained skin of a similarly dark green color. It ripens to a rich red. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**



Crimson King Pepper



Pepper, Red Cayenne

Crimson King. The fruit is not quite as large as Chinese Giant; in shape not quite so blocky. In flavor it is the mildest we have ever known, as the flesh may be eaten raw from the hand. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.**

Bell or Bull Nose. Early and of mild flavor. A favorite for picking. Large bright red, thick flesh. **Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.00.**

Pimento. This very popular variety used extensively by the Spanish people in their Pimento salads. It is a thick-meated variety of mild flavor. **Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.**

Hungarian Yellow Wax. This large fruited, early, hot pepper is highly esteemed for canning. Its size gives it more the appearance of the sweet than the hot varieties. The plants produce a fine crop of fruits 6 to 7 inches long and 2 inches in diameter. They are crumpled and hooked at the point, and are of larger size and thicker flesh than other hot peppers. They are waxy light yellow at first but change to orange and then to bright red when fully ripe. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; 1 lb., \$7.50.**

Long Red Cayenne. A well known variety of medium early maturity. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent. Recommended for drying. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.**

Red Cherry. The vigorous growing bushy plants of this variety bear scores of round peppers which are a little larger than cherries. These are green when young, turn black as they mature and are bright cherry red when ripe. They are sharply pungent and are easily dried. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.**

Red Chili. The plants of this variety are comparatively short but very bushy and are literally covered with small tapering fruits about 2 inches long. These change to bright red when ripe and are very hot or pungent. They are much used for making pepper sauce. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.50.**

Tabasco. It is the smallest and hottest of the peppers in general cultivation. The fruits are about $\frac{3}{4}$ to 1 inch long, bluntly tapered and about $\frac{1}{4}$ inch in diameter. They are light yellow when young and fiery red when ripe. These are chiefly used in making Tabasco Sauce. **Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.**

NORTHERN GROWN SEED POTATOES

Prices are subject to Change on all Potatoes

CULTURE—Any good, well drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, etc., is in best shape for giving a good yield of nice, clean Potatoes. Stable manure had better be applied to the land the year before, while some good complete fertilizer, at the rate of up to 1,000 pounds per acre if applied broadcast, or 400 to 600 pounds if applied mostly in the rows, may be used directly for the Potato crop. Open furrows three to four inches deep. Then plant good sized pieces, each containing no less than two or three eyes, fifteen inches apart in the furrows for early Potatoes, and eighteen inches apart for late ones. In some of the large Potato sections the Potatoes are always planted in check rows three feet apart each way. Cover with small plow or other suitable tool. Cultivate often. Spray with arsenate of lead mixture as a protection from beetle, potato beetle and blight. 8 to 10 bushels will plant an acre.

EARLY WHITE GOLD POTATO THE NEWEST MONEYMAKER FOR GROWERS

Seldom has a new Potato commanded so much attention as has New Early White Gold. It proved a real attraction at the Minnesota State Fair where it received the First Premium in the new seedling class.

For six years the originator, George Kremer, has been developing this Potato from a seedling, up in Itasca County, Minnesota. It has the size and shape of the Green Mountain, though the eyes are shallow and it is slightly netted in appearance.

Its size and yield will compare favorably with late varieties such as Rural. The outstanding feature, however, is its earliness, for here is a white Potato of good size and appearance and ten days earlier than Cobbler, Early Ohio or Bliss Triumph. Can you realize what this means for early market? 10 lbs., 90c; 30 lbs., \$1.85; 1 bushel, \$3.50.

Bliss Red Triumph. Extremely prolific and a full week in advance of Early Rose. Color, a beautiful light red. Size, medium. Growth very uniform. Shape, nearly round. The flesh is white; very mealy when cooked. 10 lbs., 50c; 30 lbs., \$1.20; 60 lbs., \$2.25.

Early Ohio. In the Red River Valley. Much need not be said of this great potato. Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety. 10 lbs., 50c; 30 lbs., \$1.25; 60 lbs., \$2.15.

Irish Cobbler. This has become one of the general favorites in all localities for early as well as late planting. When it was first sent out it was not claimed to be particularly early, but extensive growing in this locality proves that it is fully as early as the Early Rose. 10 lbs., 50c; 30 lbs., \$1.25; 60 lbs., \$2.25.

DUPONT SEMESAN BEL POTATO DISINFECTANT

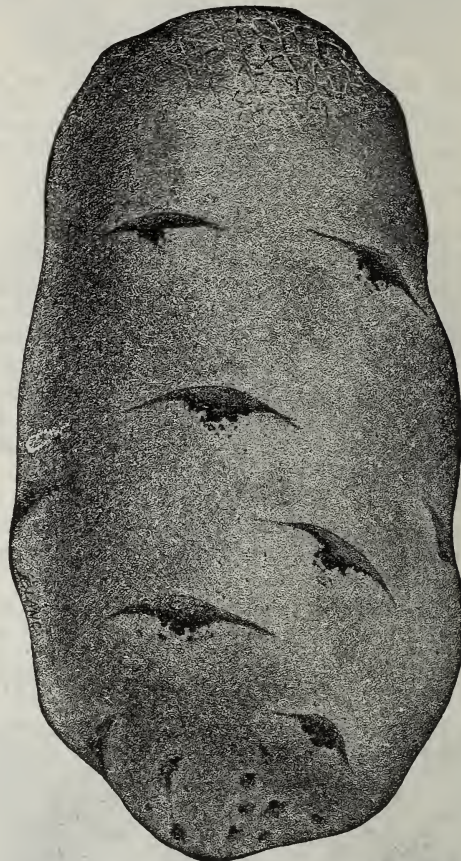
These potatoes were grown from an equal number of seed pieces. The SEMESAN BEL treatment more than doubled the yield and increased the proportion of No. 1 potatoes to 77%, reduced the No. 2 Grade to 18.5% and No. 3's to 4.5%.

Effective control, either as a dust or liquid, of surface seedborn scab and Rhizoctonia.

DUST METHOD OF APPLICATION

Each sixty pounds of whole pieces should be treated with two ounces of Semesan Bel dust.

Place the seed pieces and required quantity of Semesan Bel in the dusting container and, after tightly closing the lid or opening gently shake or rotate it for two minutes or until all seeds are thoroughly coated.



Rural New Yorker. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. 10 lbs., 40c; 30 lbs., \$1.10, 60 lbs., \$1.90.

PRICES FOR SEMESAN BEL

4 ounces.....	\$ 0.50	5 pounds.....	\$ 8.00
1 pound.....	1.75	25 pounds.....	31.25

DIP METHOD—Into one gallon of water which should be vigorously stirred, pour slowly one pound of Semesan Bel, making a thin paste similar to whitewash.

Then pour in another tub, barrel or vat of about 40 gallons of water in which to treat the seed pieces.

Then place potatoes in a wire basket (one can easily be made from one-inch mesh chicken wire) or any similar open side container and simply dip it with its load of seed into the Semesan Bel mixture until all seeds are completely covered. Then remove immediately allowing the excess liquor to drain back into the treating tub. The seed pieces may be planted right after this treatment or else dried for future planting.

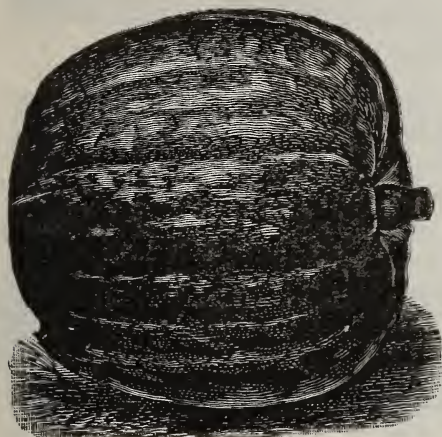
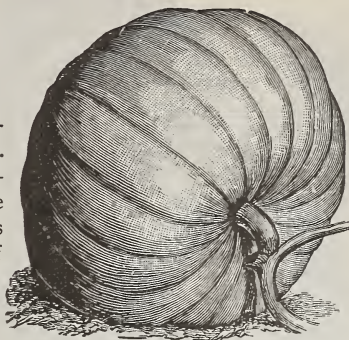
Ask for Semesan Bel Potato Booklet.

PUMPKIN

Price Postpaid

One ounce will plant about 25 hills; 4 lbs. will plant an acre.

Pumpkins are less sensitive than melons or cucumbers to unfavorable conditions of soil and climate but are cultivated the same, though on a larger scale. They are raised between hills of corn or in fields by themselves, but more properly belong to the farm than the garden as they readily mix with and injure the quality of the finer squash. After danger of frost is over plant the seed in hills eight to ten feet apart each way, dropping about a dozen seeds in a hill. If planted with corn two or three seeds 15 feet apart each way will be sufficient. The pumpkin should be gathered from the vine with the stem attached. They should be kept in a warm, dry, well-ventilated place.



Japanese Pie. A crookneck variety. Similar in size and form to the well-known Cushaw, but the skin is a deep green with dark stripes, turning to a rich golden yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Kentucky Field. A large, round, slightly ribbed, soft shell, salmon-colored pumpkin that is very productive and excellent for stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Large Cheese. A very productive, large, orange-colored field pumpkin; a little deeper than round and slightly flattened. Extensively grown between corn for stock-feeding; it also makes good pies. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Mammoth King or Potiron. The best large pumpkin in use. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Small Sugar. This variety is small, but of most excellent quality for pies. The fruits are deep orange, eight to ten inches in diameter, round or somewhat flattened and slightly ribbed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 90c.

Tennessee Sweet Potato. A good variety for making pies and other cooking purposes. It is medium size, of a white creamy color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.15.

RHUBARB (Pie Plant)

One ounce will sow 125 feet of row.

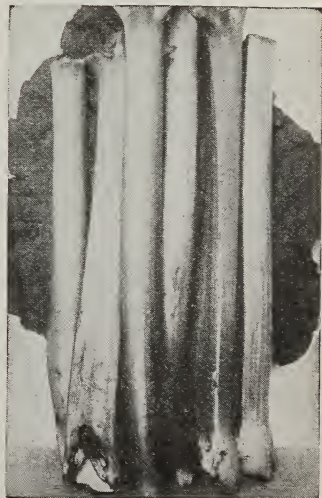
Rhubarb, also known as Pie Plant, is the earliest spring vegetable and is grown for its leaf stalks which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them 4 to 6 feet apart each way and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color. Very juicy, tender and almost stringless. Pkt., 10; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

RHUBARB ROOTS

Strong roots, two years old, which, if planted in good soil early in the spring, will make a strong growth and yield stalks for market the following spring. The plants increase in size every year and will with proper care last for many years. Thick, luscious stalks shaded bright crimson. **Selected Roots.** 15c each; \$1.50 per dozen. By Parcel Post, add Postage. 5c each; 25c dozen for Postage.



RHUBARB
(Rharbarber)

RADISHES

Price Postpaid

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast

CULTURE—Sow seed as early in Spring as ground can be well cultivated, in drills 10 to 12 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety; winter varieties should not be sown until August.

THE EARLIEST ROUND SORTS

Early Scarlet Turnip White Tip (Sparkler). A very handsome and attractive radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open air growing and always a big demand for this fine variety. Its flavor is excellent and its qualities have made it stand out above the ordinary varieties for market growing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c;**



Early Scarlet Turnip White Tip (Sparkler)

Fire Ball. It is a "Fire Ball" both in growth and appearance and radishes in 21 days from the time of planting is the unrivaled record held by this fine strain. Rich, crisp, brittle flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.**

Early Scarlet Globe. The interior of the root is pure white, mild, crisp and fine grained. Its season is rather short, and it must be pulled reasonably soon after maturity. Recommended for the market garden or for green house forcing. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.**

Philadelphia White Box. This famous white turnip-shaped or globe-shaped radish is the foremost of its class. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

St. L. S. Co.'s Crimson Giant. It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarter inches long by one and one-quarter inches in diameter. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 75c.**

EARLY OVAL AND LONG SORTS

Yellow Oval Shaped. A fine summer turnip-shaped variety; yellow

in color, but white meat, and tender. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.**

French Breakfast. An old reliable standard sort, ready for use within 25 days after sowing seeds. Oblong shape, mild and tender. The skin is a lively pink in color on the upper portion, but lower part is pure white. Does well outside or under glass. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Long Scarlet Short Top. This is another well known established sort with long, bright scarlet roots 6 or 7 inches long, with small top. Brittle and crisp. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Icicle. Our strain of Icicle is excellent as well as profitable and used for either forcing or outdoor planting. A fine variety for market and private gardeners. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

White Strassburg. Even when comparatively small this variety is in good condition for use and continues crisp until matured. The roots are rather thick at the shoulder and are usually somewhat tapering. This is one of the best large, white later summer sorts. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

PRICE ON RADISH—Express Charges Extra

	10 lbs.	25 lbs.
Scarlet Turnip. White tipped (Sparkler).....	\$6.00	\$14.50
Early Scarlet Globe.....	6.50	15.75
Fire Ball.....	6.50	15.75
Philadelphia White Box.....	6.50	15.75
Crimson Giant.....	6.50	15.75
French Breakfast.....	6.00	14.50
Long Scarlet, Short Top.....	6.00	14.50
Icicle.....	6.00	14.50
White Strassburg.....	6.00	14.50



Long White Strassburg

RADISH—Continued

WINTER RADISHES

Generally sown around July 1, the same as turnips. The Chinese type develops most rapidly, while the Spanish sorts require about 3 months to reach full size, but they keep well.

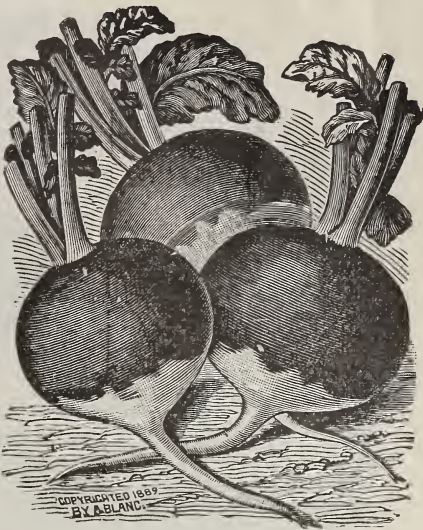
Rose Colored China. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.

Long Black Spanish. 8 or 9 inches long, and 2½ or 3 inches thick at the top, black skin with solid white flesh. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.

Round Black Spanish. Good specimens are almost round and measure 3 to 4 inches through. Skin black, flesh white, solid and pungent. A fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.

White Chinese, or Celestial. Roots cylindrical, and when fully developed are 6 to 7 inches long and 2 inches thick. Solid, crisp and of a mild flavor. Skin and flesh pure white. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.

White Spanish. Very solid and tender. The best white radish for late fall planting; largely used by our market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c.



Bloodsdaile or Savoy. This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach. The plant is of upright growth, with thick, glossy dark green leaves of medium size, pointed but quite broad, and crumpled or blistered like those of Savoy cabbage. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

Juliana. This is a new type of "Long Season" Spinach. Early, with upright, medium green leaves. The best second-early; grows close to the ground. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

Long Standing Bloodsdaile. An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leaves; almost as crumpled as the Savoy-leaved. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

New Zealand. Spinach in type and that it thrives during hot weather and in any soil rich or poor. The tender shoots are of good quality and may be cut throughout the summer. The plant becomes very large and spreading. Plant three or four seeds in hills two feet apart each way. Germination of the seed can be hastened by soaking in warm water 24 hours. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.



SPINACH

One ounce will sow 50 feet of drill. Twenty to twenty-five pounds will sow an acre.

No plant makes more palatable and nutritious greens than spinach when properly prepared. Seed should be planted in very rich ground, the richer the better. Sow in drills sixteen to twenty inches apart and thin to about six inches apart when the leaves are an inch wide. All should be cut before hot weather while young and tender. For early spring use sow early in autumn and protect the plants with a light covering of leaves or straw, or plant as soon as the land can be worked in the spring.

PRICES ON SPINACH—Express Charges Extra.

	10 lbs.	25 lbs.	100 lbs.
Bloodsdaile, Savoy.....	\$2.00	\$4.25	\$16.00
Princess Juliana.....	2.25	4.75	18.00
Long Standing Bloodsdaile.	2.25	4.75	18.00
New Zealand.....	6.00	...	...

Spinach, Juliana

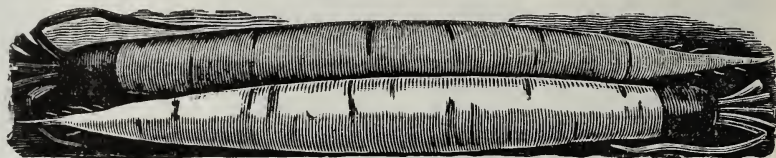
SALSIFY OR OYSTER PLANT

One ounce will sow 50 feet of drill

HOW TO GROW SALSIFY—Sow early in the spring in drills fifteen inches apart, one inch deep; thin to six inches in rows. Cultivate the same as carrots or parsnips. It is hardy; can remain in the ground all winter for early spring use, but should be taken up before starting growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Used the same as carrots; or, after having been boiled it may be made into cakes and fried like oysters, which it resembles in flavor.

Mammoth Sandwich Island.

The best variety. Grows to a large size and is very mild and delicately flavored. Grown extensively by gardeners and truckers everywhere. **Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; Postpaid.**



SORREL

The improved varieties of sorrel when well grown and cooked like spinach make a palatable dish. Sow in rows early in the spring and thin the seedlings to 6 or 8 inches apart in the row. One may begin cutting in about 2 months and the plants will continue in full bearing from 3 to 4 years.

Large Leaved French. The best garden variety, having large, pale green leaves of fine quality. **Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.**

SUNFLOWER

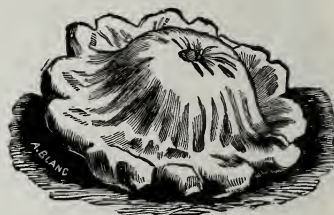
Mammoth Russian. A variety bearing giant sized heads commonly 12 to 20 inches in diameter. 1000 pounds of seed per acre is not an unusual crop. It is used for poultry feeding and as such is of very good quality. The soil and cultural requirements are very similar to those of corn. **Pkt., 5c; 1 lb., 15c; 10 lbs., \$1.00.**

SQUASH

One ounce will plant 20 hills; 2 to 3 lbs., an acre.

There are two distinct classifications of squash which, owing to their habits of growth and different in character, are generally referred to as "Summer" and "Winter" Squashes.

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of commercial fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 15th. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way



Mammoth White Scallop Bush. The plant is strictly bush in habit and bears creamy white patty-shaped fruits which are symmetrically scalloped. The flesh is milk-white, firm and smooth and is richly flavored. This is the most popular of white summer squashes for home garden use. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

Cocozelle. This bush variety, sometimes called "Italian Vegetable Marrow", produces oblong squashes often a foot in length, handsomely mottled, dark and light green, and the flesh is of extremely good quality. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

Hubbard. The most extensively grown winter squash. Is perfected in 100 to 110 days. The 12 or 14 pound fruits are spherical in shape, very dark green and somewhat warted. They have very thick, bright yellow flesh that is fine grained and richly flavored. It is an excellent home garden sort and keeps perfectly all winter. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Giant Summer Straightneck. A selection from the Giant Yellow Summer Crook Neck Squash with all the good qualities of the former and none of its defects. There will be found in the new strain a small percentage that are not Crook Necks or Giant. The squashes are a deep orange color, heavily warted and when mature measure from 15 to 18 inches in length. The flesh is thicker and more meaty in the neck than in the Crook Neck variety. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

Giant Yellow Summer Crook Neck. Valuable for early crop, and the best and richest summer bush squash; skin bright yellow, and when true, covered with warty excrescences, the shell becoming exceedingly hard when ripe. **Pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb., \$1.25.**

Improved Striped Cushaw. It is of a beautiful variegated coloring, producing stripes of a mottled effect. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**



Giant Summer Straightneck

TOMATO (Price Postpaid)

One ounce will produce about 1,000 plants

CULTURE—The tomato flourishes best in warm, light soil, moderately rich. For early use sow $\frac{1}{8}$ of an inch deep in January or February in a hot-bed, or if only a few plants are wanted, they may be sown in a window box. In order to get the plants strong and stocky, they should be transplanted when 2 to 3 inches high, and a second transplanting later on will add greatly to their stockiness. When all danger of frost has passed, set out in the open ground in rows 3 feet apart, leaving the same distance between the plants, and if convenient, furnish a support for the vine. For later crops sow in the open ground as above directed. Tomatoes succeed so much better when they are supported by stakes, or trained to a trellis, that we strongly recommend all amateur



growers to adopt the latter method in their gardens. A great deal of room can be saved, and rotting of the fruit almost entirely prevented. The trellis should be made about $4\frac{1}{2}$ feet high, with horizontal slats not more than 18 inches apart. The posts must be firmly set in the ground, as the weight when the vines are in full bearing is greater than might be supposed. Regular spraying with Bordeaux will prevent blight, which otherwise is liable to seriously injure the vines.

EARLY SORTS

Bonny Best. This variety is a favorite for forcing; just the size wanted (round) color rich scarlet red, very smooth, fruit set in bunches and in great abundance. Everything is in its favor for a forcing Tomato. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.**

Earliana (The Earliest Red Tomato). The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging three inches in diameter, and from 2 to $2\frac{1}{2}$ inches in depth. Solid. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.**

Early Detroit. The largest and best of the early purplish pink Tomatoes. Vine vigorous and very productive. Fruits very smooth, uniform in size, nearly globe-shaped; firm, and excellent quality. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; 1 lb., \$4.00.**

Scarlet Toppers. This new Tomato was developed by the late Dr. Fred J. Pritchard of the Dept. of Agriculture at Washington. It is a cross between Marglobe and Cooper's Special. It is an early variety maturing a little ahead of Marglobe, the fruit is globular in shape, exterior color bright scarlet, interior color deeper scarlet. In fact, the interior color is better than any tomato we know of. On account of its enormous crop it should be planted on very fertile soil and well cultivated in order to produce large fruit. **Pkt., 25c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75; 4 oz., \$6.00.**

Break O'Day. A tomato, developed by Dr. Fred J. Pritchard of the Dept. of Agriculture. Break O'Day is a cross between Marvino and Marglobe, and the fruit is the same color, shape and size and solidity as Marglobe, but is ten to twelve days earlier than Marglobe. Break O'Day will mature along with Bonny Best and other early varieties. It is a heavy yielder, globe shaped with few seeds. **Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50; 1 lb., \$8.00.**

Gulf State Market. The best of the early, purple fruited varieties. In season with Early Detroit, while fruit is larger, smoother, more globe-shaped. **Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.**



Break O'Day

TOMATOES (Continued)

SECOND EARLY OR MAIN CROP

Marglobe. Its fine appearance, great productiveness, deep globe shape and superb table qualities is giving it first place wherever known. In color it is a most beautiful scarlet, ripening well up to the stem. "The Marglobe" has proven resistant to the disease, and is being planted almost exclusively to all others. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.**

Livingston Globe. A large purplish, pink, globe-shaped or very nearly round tomato of excellent quality. The fruits are very smooth and mature a little earlier than most mid-season or main crop varieties. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.**

St. L. S. Co.'s Improved Excelsior. Is of a dark, glossy, purplish red, very large and very solid. This fruit is produced in clusters of four to six large and of perfect shape and retain this size until late in the season. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50.**

Dwarf Stone. A most productive Dwarf Tomato, producing a high yield of mammoth fruits. The tomatoes average 4 inches in diameter and are about 3½ inches thick. They are juicy, fleshy, and contain comparatively few seeds. The color of the skin is vivid scarlet. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.15; 1 lb., \$4.00.**

Ponderosa. A purplish pink. The vines are vigorous and very productive. The fruits are very solid, with exceptionally few seeds, fairly smooth and considered of very good quality, especially by those who prefer a tomato quite free from acid. It is very desirable for slicing. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.**

Mammoth Large Red. This famous variety is enormous both in size and yield, it being one of the largest smooth, round, red Tomatoes. Clear, bright red color. Flesh is thick and heavy. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; 1 lb., \$5.00.**



Marglobe

Golden Ponderosa. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.**

Stone. The fruits are bright deep scarlet, oval and very deep, exceptionally smooth and uniform in size. Our stock is distinctly superior to most of that offered under this name, being larger, smoother, more uniform and better colored. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c; 1 lb., \$3.00.**

SMALL FRUITED TOMATOES

Preserving Tomatoes

The list below includes all of the popular miniature fruited sorts. They are all enormous croppers and without exception make delicious and attractive preserves.



Peach. Size, shape and color of a peach. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

Red Cherry. A miniature tomato chiefly grown in the home garden for use in preserves. They mature in 70 days to a uniformly round shape and even size. Fruit of a scarlet-red color, tough skin and firm mild flesh. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.**

Red Pear. This attractive small fruit is extensively used for preserves in various ways. They are ripe in 70 days and have a bright red color, thin skin, a pear shape and are very well flavored. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.**

Yellow Pear. A decorative tomato similar to Red Pear except in the color which is a rich, clear yellow. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.**

Yellow Plum. A profusion of small plum shaped fruits. They are of a clear deep yellow color with a yellow flesh that is mildly flavored. Chiefly grown in home gardens and used for preserves. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.**

Husk or Ground Cherry. A favorite canning or preserving variety. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

TOBACCO

The seed should be sown as early as possible after danger of frost is over. It is customary to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed; then dig and pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high, transplant into rows 4 or 4 feet apart each way. Cultivate thoroughly with plow and hoe.

Missouri Broad Leaf. A well-known standard sort; very large yielder. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c.

White Burley. The standard main crop variety which produces one of the most fashionable types for curting. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c.

Havana. The leading smoking variety. Commands a high price for cigar stock. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c.



Mo. Broad Leaf

TURNIP

One ounce will sow 200 feet of drill one to two lbs. for an acre

CULTURE—For early sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until June. For fall and winter sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfields at last cultivation. Take up roots just before winter, top and store in cool cellar, or pit outdoors.

Extra Early Purple Top Milan. Fully a week earlier than any variety. Flat and smooth; of medium size. Pure white flesh of choice quality. A good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

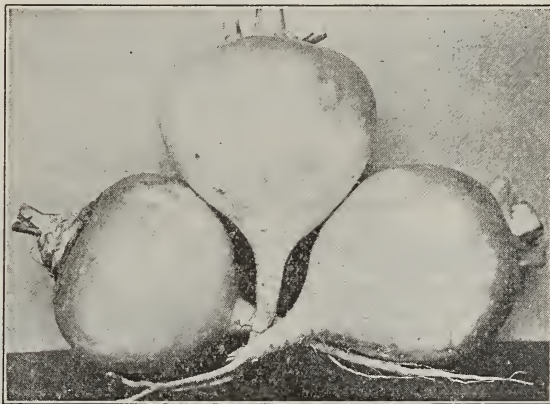
Purple Top White Globe. One of the best table varieties on account of its good size and very attractive appearance. When the roots are about 3 inches in diameter they are best for table use but they may be grown much larger for stock feeding. The roots are dark purplish-red above ground and white below. The flesh is white, fine grained and tender. For an early variety this sort keeps very well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

Purple Top Flat Strap Leaf. A very early strap-leaved variety very extensively used for the table. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 10 lbs., \$5.00.

White Globe. The King of all mammoth white Turnips. Immense white, globe-shaped roots. Considering the size it matures early. A very good autumn variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Yellow or Amber Globe. Is the staple yellow Turnip both for table and for feeding stock. Heavy cropper and keeps well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

Seven Top, for Turnip Greens. An abundant yield of tops is obtained from this seed. The plants are sufficiently hardy to continue growth throughout the winter. A favorite green feed for stock and are extensively planted as a pasture crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c.



Purple Top White Globe



Rutabaga

RUTABAGA or SWEDE

Although closely related to the turnip, and much the same in value and uses, Rutabagas are quite different in many ways. They grow to a much larger size, are firmer in flesh, milder in flavor and are better adapted for winter storage. They require a longer growing season than turnips and need more moisture.

Seed may be sown from mid-July to mid-August in rows $2\frac{1}{2}$ to 3 feet apart. The culture is practically the same as for turnips except that the plants should be thinned to 8 or 10 inches apart in the rows.

When the roots are full grown they should be pulled, topped and stored in a cool cellar or pit, for winter use. If kept cool and sufficiently moist to prevent withering they will remain in prime condition all winter.

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh very solid, tender and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.

VEGETABLE PLANTS

Plants sent by express, purchaser paying charges.

Please Note: All vegetable plants on this page are grown especially for us, and are in stock except Frost-proof Cabbage and Onion Plants at our store and are strong, transplanted plants.

ASPARAGUS ROOTS

Extra-choice Two-year Roots

	Doz.	4 Doz.	1000
Washington, rust-proof.....	\$0.25	\$0.90	\$12.50

(By Parcel Post, add 5c Doz. Postage)

RHUBARB ROOTS

When only a few plants are required, we would suggest the purchase of roots instead of seed. Transplant roots in Fall, or Spring, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

	Each	Doz.
2-year-old.....	\$0.15	\$1.50

(By Parcel Post, add 5c ea. or 25c per doz.)

HORSERADISH SETS

Horseradish Roots. The soil should be very rich and well cultivated. 12 for 15c; 4 doz. for 50c; 100 for \$1.00; 1000 for \$6.00.

(By Parcel Post, add 10c per 100 postage.)

SWEET POTATO PLANTS

	50	100	1000
Sweet Potatoes. Red, Yellow and White.....	\$0.35	\$0.65	\$5.50

Ready May and June.

(By Parcel Post, add 15c per 100.)

STRAWBERRY PLANTS

Plants Ready April, May and October

Strawberry plants are not in stock, but are sent direct to you from the nursery.

NOTICE:—Varieties marked "S" are Staminate Perfect Flowering and Bi-Sexual. Varieties marked "P" are Pistillate and destitute of stamens, so when planting those marked "P" it will be necessary to have every third row a Perfect Flowering or "S" variety to properly fertilize the bed; by so doing you obtain much finer fruit.

Excelsior. (S) Early. Plant a vigorous grower, tough and hardy, and very productive. Fruit large, conical. Color dark glossy red; excellent flavor.

Senator Dunlap (S) Medium. The Senator Dunlap is one of the old standbys among strawberry varieties. It is grown under more conditions and by more people than any other variety. The berries are of high quality and handsome appearance.

Warfield (P) Medium. The Warfield has had a popularity that comes to few varieties. The beautiful, cone-shaped berries have a fadeless dark red interior that makes a strong appeal wherever seen.

Klondyke (S). Of large and uniform size, fine form and color, great vigor of plant and productive.

Aroma (S) Late. The Aroma is one of the best late varieties for both northern and southern sections. It is the one variety that comes nearest to being fitted for both the North and South.

Gandy (S) Late. Very productive, fruit large and a good keeper.

All varieties, 25 for 40c; 100 for 90c; 1000 for \$6.50.

Cabbage Plants. Plants should be set about 2½ to 3 feet apart each way. April and May delivery.

	25	50	100	1000
Wakefield.....	\$0.25	\$0.45	\$0.75	\$5.00
Golden Acre.....	.25	.45	.75	5.00
All Season.....	.25	.45	.75	5.00

(By Parcel Post, add 10c per 100 for Postage.)

Cauliflower Plants. April and May Delivery. Plant should be set 2½ to 3 feet apart each way.

	Doz.	4 Doz.	8 Doz.
Cauliflower, Ea. Dwarf Erfurt...	\$0.15	\$0.50	\$1.00
	25	50	100
Kohl-Rabi.....	\$0.25	\$0.45	\$0.65

(By Parcel Post, add 10c per 100.)

Tomato Plants. We make a specialty of growing tomato plants and can furnish the following varieties after May 10 in fine, strong stocky plants. Ready May and June.

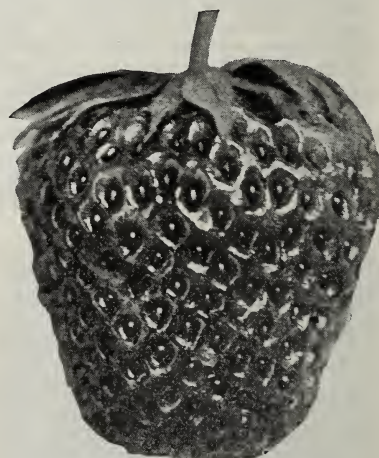
	Doz.	4 Doz.	8 Doz.
Tomatoes—Ponderosa.....	\$0.20	\$0.75	\$1.25
Improved Excelsior.....	.20	.75	1.25
Dwarf Stone.....	.20	.75	1.25
Stone.....	.20	.75	1.25

(By Parcel Post, add 15c per 100 for Postage)

Pepper. Ready for May and June.

	Doz.	4 Doz.	8 Doz.
Pepper—Bell or Bull Nose.....	\$0.20	\$0.75	\$1.25
Chinese Giant.....	.20	.75	1.25
Red Cayenne.....	.20	.75	1.25

(By Parcel Post add 5c Doz. Postage)



Senator Dunlap (S) Medium

EVERBEARING STRAWBERRIES

Mastodon. The Mastodon, which was just recently introduced, is a fall bearing variety of great promise. This variety should give excellent results throughout the northern half of the country, especially where water can be applied during dry weather and where special attention can be given to the plants. 12 for 65c; 25 for \$1.25; 100 for \$2.75.

Progressive. This is the most wonderful ever-bearing strawberry. A healthy and strong grower; very productive, from June until freezing weather; succeeds well anywhere. 25 for 75c; 100 for \$1.50; 1000 for \$9.50.

ST. LOUIS SEED CO.

RECLEANED FARM SEEDS

Bags extra at cost. seamless, 25c each.

ALL PRICES ON FIELD SEEDS ARE SUBJECT TO MARKET CHANGES. ALL ORDERS FILLED TO THE AMOUNT OF REMITTANCE AT MARKET PRICES WHEN ORDER IS RECEIVED.

	1 lb.	10 lbs.	100 lbs.
ALFALFA			
Extra Fine, Kansas.....	\$0.25	\$2.00	\$15.50
Northwestern (Utah).....	.30	2.50	20.00
Montana.....	.30	2.50	20.00
Grimm (Red Seal).....	.45	4.25	28.00

SWEET CLOVER

White Blossom, Scarefied.....	.20	1.00	6.75
White Blossom, Unhulled.....	.15	1.00	6.00

RED CLOVER

Fancy, Recleaned.....	.35	3.00	21.00
Mammoth Sappling.....	.35	3.00	24.00

ALSIKE OR SWEDISH

Fancy Recleaned.....	.30	2.50	19.00
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LESPEDEZA

Japan.....	.25	2.00	14.00
Korean.....	.30	2.50	19.00

WHITE CLOVER

White or Dutch.....	.60	5.50	42.00
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CRIMSON CLOVER

Fancy Recleaned.....	.25	1.75	13.00
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RED TOP

Fancy solid, 94 Pure.....	.25	2.00	16.50
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TIMOTHY

Fancy Recleaned, 99.50 Pure...	.15	1.00	6.50
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ORCHARD GRASS

Fancy Recleaned.....	.25	2.00	16.50
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PASTURE MIXTURE

Pasture Mixture.....		1.75	14.00
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SUDAN GRASS

New Crop, Recleaned, Fancy...	.15	.90	3.50
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	1 lb.	10 lbs.	Bu.
COWPEAS			
Whippoorwill.....	\$0.10	\$0.85
New Era.....	.10	.85
Fancy Mixed.....	.10	.85

SOY BEANS

Manchu (Early Yellow).....	.10	.75	.....
Virginia (Early Brown).....	.10	.75	.....
Illinois 1319 (Imp. Virginia)...	.10	.75
Mixed, fine for Hay.....	.10	.75

RAPE

Dwarf Essex.....	.15	1.25	100 lbs. 6.50
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MILLET

German, Fancy.....	.10	.80	3.50
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SEED RYE

Rye, Recleaned.....	.05	.40	Bu. \$.90
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OATS

Rust Proof.....	.05	.50	.70
Early White.....	.05	.50	.70

VETCHES

	1 lb.	10 lbs.	100 lbs.
Hairy Vetch.....	\$0.25	\$2.00	\$12.50

MISCELLANEOUS

Barley.....	.10	.75	3.00
Buckwheat.....	.10	.75	2.75
Broom Corn.....	.15	1.25	.....
Cane, Amber Fodder.....	.10	.75	2.75
Cane, Orange Fodder.....	.10	.75	2.75
Canada Peas.....	.10	.75	5.50
Kaffir, White.....	.10	.75	2.50
Hemp.....	.10	.75	5.50
Peanuts, Large Jumbo.....	.25	2.25	.....
Sunflower, Russian.....	.10	.90	5.50

ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, Peanuts with

All Legume
Germs Are
PerishableTo Protect You
NITRAGIN Cans
Stamped With
Expiration DateLegume Germs
Die Rapidly
When DriedAuthorities
Recommend
Inoculating
With Water**THE ORIGINAL LEGUME INOCULATOR**

Guaranteed Fresh Each Year—Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, efficient nitrogen-gathering germs. It's fresh each year—it's DATED, and leads in High Legume Germ Count. Quality inoculation is the cheapest legume crop insurance known.

NITRAGIN PRICES

Alfalfa, All Clovers	Size	Price
	¾ bu.....	.40
	½ bu.....	.60
	1 bu.....	1.00
	5 bu.....	4.75

When ordering
always specify
kind of seed

Peas, Vetch, Beans, Austrian Winter Peas	Size	Price
	½ bu.....	.40
	1 bu.....	.60
	*1 ¼ bu....	.90
	3 ½ bu....	1.80
	5 bu.....	2.50
	*Also called "100 lb. size."	

Soy Beans and Cow Peas	Size	Price
	1 bu.....	.40
	2 bu.....	.70
	5 bu.....	1.50
	10 bu.....	2.50

When ordering
always specify
kind of seed**Garden Nitrigin—Garden Size—
Peas, Beans, Sweet Peas**

Inoculates from 1 ounce to 8 lbs. seed. Price, \$.25

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Nitrigin Has Served the American Farmer Since 1898

**Mixing Nitrigin
with Seed**

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitrigin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

FARM AND FIELD SEEDS

"PURE AND SURE SEEDS"—BIGGER AND BETTER CROPS

Most important to all who depend for their living on the products of the soil is **SELECTED SEEDS**, that not only will germinate and are reliable, but that will produce bumper crops, that will fill the granary with fine high-priced wheat, and the corn bin full of this great product. "PURE AND SURE" Seeds are the kind that produce the crops that mean great big profits from a small outlay of money. You cannot afford to waste your time planting cheap seeds when you look for results from your plantings. It is poor economy to plant untested seeds when for a little more you can have seeds of the highest quality, and, that is what you want. You can have confidence in the quality of our Pedigreed Seeds, for we have made a specialty of farm seeds and the value of the same cannot be exaggerated. Let us know what you want in the line of field seeds, and we guarantee you quality that cannot be equalled for the price.

ST. LOUIS SEED COMPANY'S

SELECTED SEED CORN

Extra charge for Bags; 1 bu. cotton, 15c; seamless bags, 25c.

Bu.
56 Lbs.

Bu.
56 Lbs.

GRADED SEED CORN

We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping planters. But the grading is only a part of the labor which we give to the production of good corn seed. It is gathered early and stored in seed corn house, and only those absolutely true to type and strong vitality are shelled for seed purposes.

CHAMPION EARLY WHITE PEARL

(90 days)

This is the earliest snow white Dent corn. Grown extensively by gardeners for roasting ears. It is an immense yielding variety and very uniform in shape, size, etc., and therefore, its great market demand. The ears grow very large—the cob small, two great factors of profit in corn. Our selected seed of this variety is without equal anywhere and the many good reports about this variety have far exceeded our expectations. You cannot buy better seed corn at such a low price. 5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.25; 56 lbs., (1 bu.), \$2.25.

PRIDE OF THE NORTH

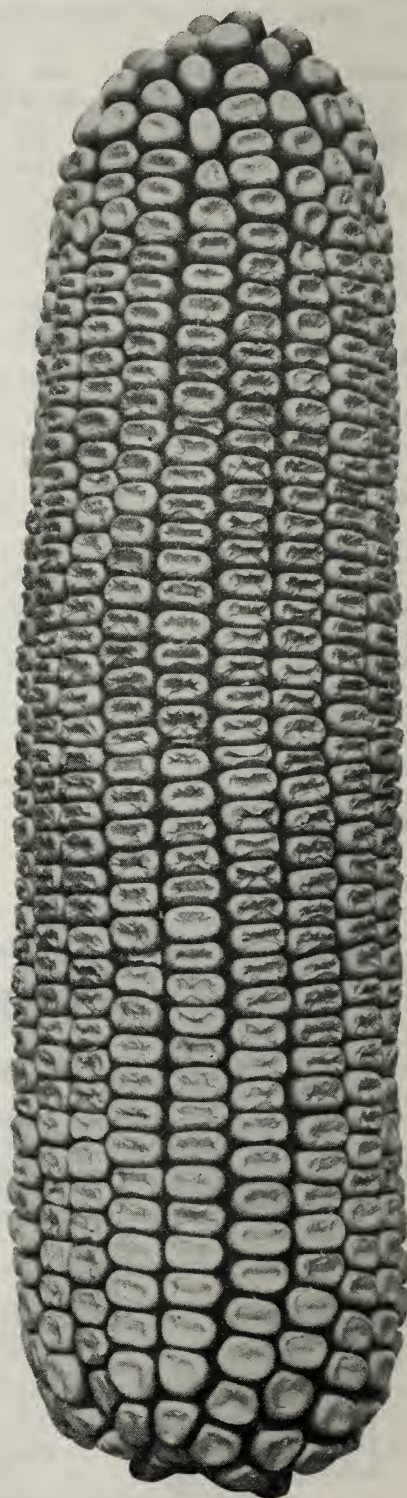
(90 days)

The great favorite of the extreme Northern States and a most useful variety where a late planting is necessary. The ears run from seven to nine inches long, with small cob and deep kernels; ears usually contain from fourteen to eighteen rows; will ripen and mature anywhere in ninety days; can be planted as late as June 25th and make itself by September 10th. Good soil is capable of growing four to six stalks to the hill; many stalks have two ears and usually produce from forty to fifty bushels of good sound corn per acre. 5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.25; 56 lbs., (1 bu.), \$2.25.

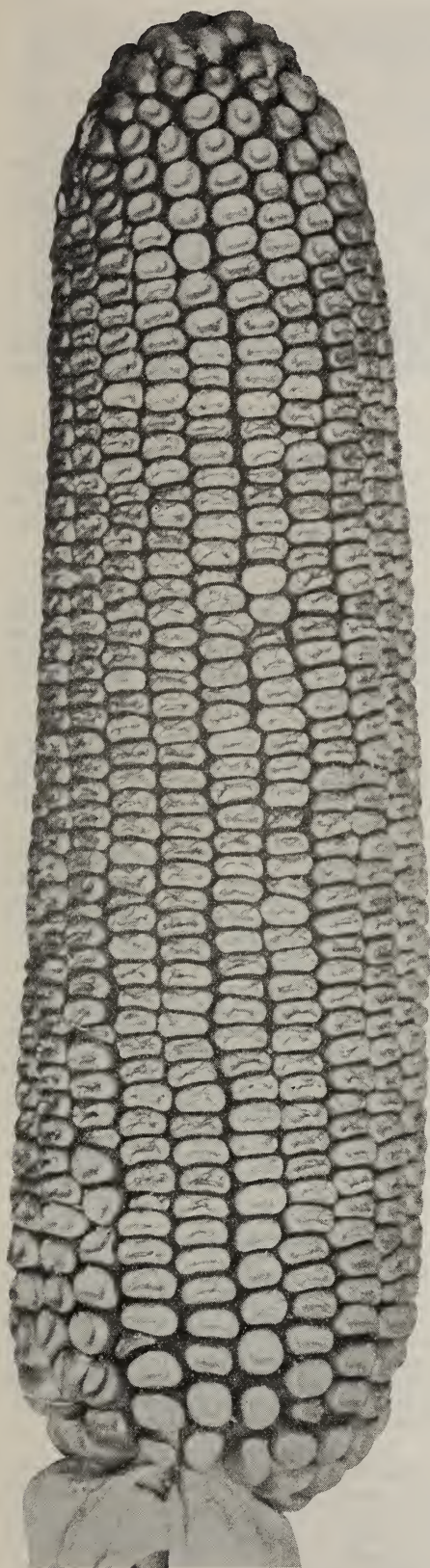
IOWA SILVER MINE

(Matures 100 days)

This is not a new variety, but is one of the best-known sorts, on account of its great popularity and wonderful record. It is noted for its great vitality to withstand and resist extreme conditions of weather, wet or dry; also hot weather, and makes good crops where other sorts wither, burn up, and perish under hot winds and scorching sunshine. Each year we have grown this corn we have sought to select and improve it in every way possible, not so much to increase the size of the ears, but to increase uniformity of size and number of ears to the stalk. Stalks grow 8 to 10 feet in height and ears set well down toward the ground. 5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.25; 56 lbs., (1 bu.), \$2.25.



Early White Pearl



Reid's Yellow Dent

ST. L. S. CO.'S WHITE STAR (Matures 110 days)

This wonderful white dent corn is known, grown and more extensively planted than any White Corn. It is adapted to a wide range of conditions and is a corn of the North, South, East and West, and a variety that always, everywhere gladdens the hearts of the farmers and fills his cribs at harvest time.

Our seed of this variety is from selected ears. You cannot plant a better variety and you know that your order for this corn will be filled with the highest grade, selected seed corn. **5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.25; 56 lbs., (bu., \$2.50.**

REID'S YELLOW DENT

The Most Popular Yellow Dent Corn in the Great Central Corn Belt. (Matures 110 days.)

The **Reid's Yellow Dent Field Corn** has been bred up and selected with painstaking care to what is at the present time—one of the best varieties of yellow corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row, and is well-filled over the ends, and especially the butt. **5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.25; 56 lbs., (bu.), \$2.50.**

GOLD BOND

If any seed grain can truly be called pedigreed, the Gold Bond Field Corn is certainly entitled to be known as such. It has been bred up and selected to one of the best varieties of yellow corn grown. For medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row. You will be an enthusiastic booster of our **Gold Bond** once you have planted it. **5 lbs., 50c; 15 lbs., \$1.10; 25 lbs., \$1.45; 56 lbs., (bu.), \$2.75.**

ST. CHARLES WHITE, RED COB (Matures 120 days)

This excellent variety was introduced in St. Charles County, Missouri, and is very popular with a large number of our customers, especially in that vicinity, where plantings are made every year. It is a very handsome, pure variety of white corn, set on a red cob and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels. Our seed stock of this variety was grown from pure, genuine stock and can be relied upon to give the best possible results to be obtained from this variety. **5 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.20; 56 lbs., (1 bu.), \$2.25.**

POP CORN, See Page 16

SEMESAN JR.

Increase Your Corn Yield 10% to 25% with this New Seed Treatment

This Spring treat your corn seed before planting. Prevent seedling blight, root rot and other diseases that cause losses of millions of dollars to corn growers annually.

Extensive tests on Dent and Sugar Corn show that treatment with SEMESAN JR. on disease-free corn seed gave an increase of 8.5 bushels per acre. No special equipment is needed for this new seed treatment. No tiresome or lengthy procedure is involved. **And the cost is less than 3c per acre.** Corn treated with SEMESAN JR. permits Earlier Planting, reduces Seed Decay, increases Germination, prevents Seedling Blight, Root and Stalk Rot, reduces the amount of "Down" Corn, and increases the Yield. **1 Pound Treats 6 Bushels of Corn.**

SEMESAN JR.—4⁵/₁₆ ozs., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.



ST. LOUIS SEED CO.'S SELECTED GRASS SEED

By Parcel Post, 1 lb. or over, add postage. Price f. o. b. St. Louis, Mo., subject to market changes. If in the market for Grass or Field Seed in small lots, write for price.

We desire to call particular attention to the fact that Grass Seeds are sold to the trade by sample, and each sort is divided into three or four grades, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the **VERY HIGHEST GRADE**.

ST. L. S. CO.'S HAVALAWN GRASS SEED

**ESPECIALLY ADAPTED TO THIS LOCALITY
AND WILL INSURE A FINE, VELVETY LAWN**

Havalawn is a mixture of the finest, re-cleaned grass seed, a well-balanced mixture of Kentucky Blue, Red Top, German Bent, Red Fescue, and White Clover. The best sod and lawn producing grasses. Havalawn insures a steady succession of growth—there will be no break in the richness of the verdure from Spring until Winter. Price, 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$7.00; 100 lbs., \$26.50.

St. L. S. Co.'s Shady Lawn Mixture. This mixture is intended for all situations that are in partial or complete shade, and will be found invaluable on grounds lying under the shadows of trees or buildings. Sow thickly. $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$7.00.

Quick Result Mixture. This is intended for back yards, large playgrounds, etc. Price, 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.25; 100 lbs., \$15.00.

Kentucky Blue Grass (*Poa pratensis*). Fancy extra re-cleaned. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. Sown with White Clover it forms a splendid lawn. 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 25 lbs., \$6.25; 100 lbs., \$24.00.

Meadow Fescue. (*Festuca Pratensis*). A native of Europe, it become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American grown. Sow in the Fall or Spring, 75 to 90 lbs. per acre. 1 lb., 20c; 3 lbs., 50c; 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 100 lbs., \$12.00.

Clover. (White or Dutch). A low, close growing clover, round, white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. $\frac{1}{2}$ lb., 35c; 1 lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.75; 25 lbs., \$11.00.

Bermuda Grass. Used extensively in the South for lawns where other lawn grasses cannot be successfully grown. Sow seed in the Spring. $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.50.

Canadian Blue Grass. A hardy perennial with creeping root-stalks which form a strong turf. It withstands drought better than most cultivated grasses and is especially valuable in Lawn Grass mixtures. 1 lb., 35c; 3 lbs., \$1.00; 10 lbs., \$3.00; 100 lbs., \$22.00.

Poa Trivialis. Recommended for shady lawns and it also is a rich pasture grass. 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 25 lbs., \$7.00.

Rye Grass. Very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow thirty to forty pounds per acre in spring. 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.60; 100 lbs., \$10.00.

Red Top. A very hardy perennial grass, succeeding best on a moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. Fancy or solid seed. 1 lb., 25c; 5 lbs., \$1.10; 25 lbs., \$4.50; 100 lbs., \$16.50.

Red or Creeping Fescue. A creeping rooted grass, resisting extreme drought, and especially adapted for forming a close and lasting turf in shady places. Valuable also for exposed hillsides, and golf courses. Sow 40 pounds per acre. 1 lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.50; 100 lbs., \$28.00.

Orchard Grass (Rough Cock's Foot). A rather coarse perennial grass that forms dense tufts. Flourishes best in the shade. 1 lb., 25c; 5 lbs., \$1.10; 25 lbs., \$4.50; 100 lbs., \$16.50.

Timothy. (45 lbs. per bu.) The best of all grasses for hay. It should be cut when in blossom, in June or July. It is preferable to sow in the Fall, but we sell almost as much seed in the early Spring, and it is frequently sown then with equal success. 1 lb., 15c; 5 lbs., 60c; 25 lbs., \$2.50.

Sudan Grass. Is probably the wild original form of the cultivated sorghums. It is a tall annual grass, growing under favorable conditions to a height of 6 to 10 feet, but when broadcast thickly, it grows from 3 to 5 feet. The stems are fine. The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of livestock. It is considerably earlier than the earliest Amber Sorghum. 1 lb., 10c; 10 lbs., 75c; 25 lbs., \$1.50.

Pasture Mixtures

Pasture Mixture "A" (Good Moist Soils). Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by disking or harrowing in. 5 lbs., \$1.00; 25 lbs., \$4.00; 100 lbs., \$14.00.

Pasture Mixture "B" (Dry, Hilly Uplands). Sow fifteen to twenty pounds per acre. Recommended for rolling-ground, or where stones or sand in soil demand drought-resisting varieties. Plow or disk in where possible, and on unplowed, stumpy or stony ground brush thoroughly. 5 lbs., \$1.00; 25 lbs., \$4.00; 100 lbs., \$14.00.



ST. L. SEED CO. COLLECTION OF ANNUAL FLOWER SEED

Of the number of flowering annuals we offer, all of which have merit, there are a great number, which owing to their ease of culture, and brilliant flowers are fine for cut flowers as described below, and you will make no mistake by giving them a prominent place in your flower garden.

ANTIRRHINUM MAXIMUM

This is a wonderful new group of Antirrhinums. The flowers are of a magnificent size closely placed on the spike; height 3 feet.

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The flowers are large and very double. 18 inches.

ST. L. S. CO.'S LATE BRANCHING ASTERS

The plants form strong, branching bushes, 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers.

CALENDULA

Large double flowers, blooming all Summer, closing somewhat at night and opening slightly on cloudy days; flowers borne on long, stiff stems. 1½ feet.

Orange King. Very large, double orange-red.

CALLIOPSIS

Golden Ray. Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon edged with golden yellow.

DAHLIA

Dahlias can be grown easily from seed so as to produce flowers the first year. In it can be found beautiful combinations of colors and marvelous blending of shades and tints. 15 to 18 inches.

St. Louis Seed Co.'s Dwarf Large Flowering Hybrids. Single, Mixed.

DIDISCUS

Coeruleus (Blue Lace Flower) An annual, blooming from July until frost; color, pale lavender; excellent for cutting. 2 feet.

Special Offer to Flower Lovers: One Pkt. each of the fourteen varieties, \$1.60 value, \$1.00.

COLLECTION OF FALL FLOWERS FOR BACKGROUNDS

AMARANTHUS

Sunrise. A beautiful colored plant; 3 feet. Foliage bronzy crimson, tipped carmine.

BOLTONIA

Lastiquama. A sturdy, tall-growing perennial, 5 to 6 feet high, bearing a profusion of star-shaped, pinkish lavender blooms during September and October.

CELOSIA (Coxcomb)

Magnifica. All colors mixed. 2 feet.

COSMOS

Hybrida Finest Mixed. Our seed is all grown from a special strain. 6 feet.

LARKSPUR

Mixed. Annual. 3 feet. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously.

LUPINUS (Lupine)

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 feet.

MARIGOLD

Orange Prince. The same type of plant and flower as Lemon Queen, but color is rich, deep orange. Two to three feet.

Double Dwarf, Golden Ball. Flowers deep golden yellow. Very desirable for edgings and borders. Height about one foot.

SCABIOSA (Mourning Bride)

They grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost. Mixed.

MAMMOTH DOUBLE ZINNIAS

This mammoth strain has produced excellent results to hundreds of customers who have grown it with great success. The plants are of exceedingly robust habit. 2 feet. Mixed.

ZINNIA ELEGANS, LILLIPUT

Of compact habit not over 15 inches high; beautiful miniature, perfectly double flowers; splendid for bedding and good for cutting. Mixed.

RICINUS (Caster Oil Bean)

Zanzibariensis. Surpasses all in size and beauty of colors, which include glaucous-green, coppery brown, metallic red. 8 feet.

SUNFLOWER (Helianthus)

Golden Ball. A beautiful large double variety. 7 feet.

HOLLYHOCK ANNUAL EVER-BLOOMING

While these are also hardy perennial varieties if seed is sown early in spring they will bloom the first season.

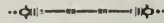
Double Ever-Blooming Mixed. 5 feet.

GRASSES—ORNAMENTAL

Gynerium Argenteum (Pampas Grass). Most noble grass in cultivation. 6 feet; perennial.

8 Pkts., 1 each. 80c value for 50c.

FLOWER SEEDS FOR THE ROCK GARDEN



- ACHILLEA—The Pearl.** Double white; flowers continuously all summer; 2 feet. Pkt., 15c; $\frac{1}{8}$ oz., 45c.
- AGROSTEMMA (Rose Campion).** Free flowering. Perennial. Red. 1 $\frac{1}{2}$ ft. Pkt., 10c; $\frac{1}{2}$ oz., 25c.
- ALYSSUM SAXATILE.** Hardy. Perfect little bush with miniature flowers in great masses, of a bright yellow. 12 inches high. Pkt., 10c; $\frac{1}{2}$ oz., 40c.
- ANTIRRHINUM.** Rock hybrids; 8 inches. Mixed. Pkt., 25c.
- ANAGALLIS. (Pimpernel). Grandiflora.** A pretty very annual of low spreading growth, 6 to 9 inches high, completely covered during the greater part of the season with brilliant flowers in an unusual range of colors, including brilliant blue, scarlet, etc. Excellent for the border and rockery. Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- AQUILEGIA—Long Spurred Hybrids, Mrs. Scott Elliott's Strain.** The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. 30 inches. Pkt., 15c; $\frac{1}{8}$ oz., 40c.
- AQUILEGIA COERULEA (Rocky Mountain Columbine).** Violet blue and white. 2 feet. Pkt., 15c; $\frac{1}{8}$ oz., 35c.
- AQUILEGIA SILVER QUEEN.** 30 inches. Pure white; long spurred. Pkt., 15c.
- ARABIS—Alpina.** Dwarf spring flowering; flowers pure white; 6 inches. Pkt., 10c; $\frac{1}{2}$ oz., 40c.
- ARMERIA—Formosa.** Deep pink; 8 in. Pkt., 15c; $\frac{1}{8}$ oz., 35c.
- ASTER—Alpinus.** Blue and white. Mixed. Pkt., 15c.
- AUBRIETIA.** Large flowering hybrids; early flowering; 4 inches. Pkt., 15c; $\frac{1}{8}$ oz., 40c.
- AURICULA (Primula).** Beautiful low growing plants. Mixed. 6 inches. Pkt., 15c.
- CAMPANULA—Carpatica, Blue.** (Carpathian Hare Bell). Compact tufts not exceeding 8 inches; flowers clear blue. Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- CAMPANULA—Carpatica, Alba.** White. Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- CANDYTUFT—Gibraltarica.** White shading to lilac. 1 ft. Pkt., 10c; $\frac{1}{4}$ oz., 35c.
- CANDYTUFT—Sempervirens.** White hardy perennial; in flower early in the spring; 1 foot. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- CARNATION—Grenadin.** Scarlet, white and Triumph Pink. Each Pkt., 20c; Mixed, Pkt., 15c.
- CENTAUREA—Montana.** (Perennial Cornflower). A hardy perennial variety, grows 2 feet high. Large violet-blue flowers from July to September. Pkt., 10c; $\frac{1}{2}$ oz., 35c.
- CERASTIUM—Tomentosum.** Dwarf, white leaved plant with white flowers; 4 inches. Pkt., 15c; $\frac{1}{4}$ oz., 40c.
- CHEIRANTHUS—Allioni.** (Siberian Wallflower). A biennial; brilliant orange flowers; 1 foot. Pkt., 15c; $\frac{1}{2}$ oz., 35c.
- DELPHINIUM—Chinese Blue.** A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- DELPHINIUM—Chinese White.** Pkt., 10c; $\frac{1}{4}$ oz., 30c.
- DIANTHUS. Allwoodii Mixed.** The flowers are about 75 per cent double and appear in all colors. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. Pkt., 25c.
- CAESIUS (Cheddar Pink).** Forming dense tufts a few inches high and sweet scented, rosy-pink flowers in May and June. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- PLUMARIUS. Cyclops,** single perpetual, various colors with blood red eye. Pkt., 10c; $\frac{1}{4}$ oz., 35c.
- PLUMARIUS. Single Mixed.** (Grass Pinks, Scotch Pink, or Pheasant-eye Pink). A beautiful single hardy Pink, with fringed edged flowers of various colors. Pkt., 10c; $\frac{1}{2}$ oz., 25c.
- PLUMARIUS. Double Mixed.** (Double Hardy Garden Pinks). Double and semi-double varieties in beautiful colors. Pkt., 10c; $\frac{1}{4}$ oz., 50c.
- DELTOIDES. (Maiden Pink).** Dwarf brilliant carmine. Pkt., 15c.
- LATIFOLIUS ATROCOCCINEUS FL. PL.** Free flowering; velvety crimson scarlet; double. Pkt., 10c; $\frac{1}{4}$ oz., 25c.
- SWEET WIVELSFIELD.** A new hardy annual, good for borders, as a cutflower, and especially adapted for rock gardens. Pkt., 15c.
- FORGET-ME-NOT MYOSOTIS—Palustris Semperflorens.** The ever-blooming blue Forget-Me-Not; 1 foot. Pkt., 15c; $\frac{1}{8}$ oz., 40c.
- GEUM—Mrs. Bradshaw.** Large double brilliant orange scarlet, in flower throughout the entire summer. Pkt., 15c; $\frac{1}{4}$ oz., 50c.
- GEUM. Lady Stratheden.** Double-flowering golden-yellow. Pkt., 15c; $\frac{1}{8}$ oz., 35c.
- Gypsophila—Repens.** Mixed. A fine rockery plant covered with tiny rose and white flowers; 8 inches. Pkt., 10c; $\frac{1}{8}$ oz., 50c.
- HELIANTHEMUM—Mutabile (Rock or Sun Rose).** A pretty plant with masses of flowers of various colors; 6 inches. Mixed. Pkt., 10c.
- HEUCHERA SANGUINEA SPLENDENS.** The flowers are of a rich, bright coral-red color; 30 inches. Pkt., 15c.
- LINARIA CYMBALARIA.** A pretty perennial of trailing habit that can be treated as an annual. Sow the seed in hotbed in March. Flowers are bright lilac with a yellow throat. Very good for rock garden. Pkt., 15c.



SEEDS FOR THE ROCK GARDEN—Continued

Linum (Flax) Perenne. Bright blue flowers; hardy 24 inches. **Pkt., 10c; ½ oz., 40c.**
Oenothera Missouriensis. A prostrate growing variety, with large, bright-yellow flowers; 1 foot. **Pkt., 15c; ½ oz., 50c.**
Polemonium Coeruleum. Bell-shaped bluish-purple flowers nearly 1 inch across; 2 feet. May to July. **Pkt., 10c; ¼ oz., 30c.**
Poppies, Iceland. Flowers the first year from spring sown seed; 1 foot. Mixed. **Pkt., 10c; ¼ oz., 35c.**
Potentilla. Charming hardy perennial plants, with brilliant double flowers, mostly in orange, red and crimson tones; 18 inches. Double mixed. **Pkt., 10c.**
Primula—Veris. Fragrant flowers of various colors; mixed; 6 inches. **Pkt., 10c; ½ oz., 50c.**
Primula—Vulgaris. (English Primrose). Canary yellow; very fragrant. **Pkt., 15c; ½ oz., 65c.**
Saponaria—Ocymoides Rose. A splendid plant for the rockery; rose; 9 inches. **Pkt., 10c; ¼ oz., 30c.**
Sedum. One of the prettiest erect growing plants, attaining a height of about 15 inches, with broad light green foliage and heads of handsome showy flowers. Perennial mixed. **Pkt., 25c.**

Statice Latifolia. (Sea Lavender). Splendid plants, producing all summer panicles of small flowers; 2 feet. Perennial; large deep-blue flowers. **Pkt., 10c.**
Trollius (Globe Flower) Orange Globe. Hardy perennial, with large, buttercup-like, bright yellow flowers; 2 feet. **Pkt., 35c.**
Tunica—Saxifraga. A pretty tufted plant with light pink flowers; produced all summer. **Pkt., 10c; ¼ oz., 25c.**
Verbena Venosa. 1 foot. Covered with bright purple and heliotrope flowers. **Pkt., 10c; ¼ oz., 35c.**
Veronica (Speedwell)—Spicata Blue. 1½ feet high, producing long spikes of bright blue flowers in June and July. **Pkt., 15c; ½ oz., 40c.**
Viola—Cornuta (Tufted Pansy). Choice assorted colors; 6 inches.

	Pkt.	½ Oz.
Light Blue.....	\$0.10	\$0.35
Dark Blue.....	.10	.35
Yellow.....	.10	.35
White.....	.10	.35
Violet.....	.10	.65
Mixed.....	.10	.35

GENERAL LIST OF FLOWER SEEDS

We mail all Flower Seeds POSTPAID to any Post Office in the United States

Surround your house with flowers, the most refining and uplifting influence in the world. Nothing can add to the beauty of your home like a flower garden. Here you can spend many pleasant hours; it is an enjoyable task to plant them, watch them grow and pick them for ornaments. Years of experimenting, testing and selection have made "Pure and Sure" Seeds the highest quality seeds that have been offered the lover of flowers. Everything that would aid in producing better seeds, more beautiful flowers, and finer, improved varieties, has been done and the acme of perfection has been reached in our "Pure and Sure" Flower Seeds.

ABUTILON

(Flowering Maple)

Maximum Hybrids Mixed. Used extensively for pot culture and ornamental bedding; foliage is of maple form and has variegated coloring; flowers bell-shaped; height 3 feet. Will bloom the first season if sown early. **Pkt., 25c.**



Achillea

ABRONIA UMBELLATA

Verbena-like rose colored flowers. Elegant trailing habit. Annual, 10 inches. **Pkt., 10c.**

ACHILLEA

(Milfoil or Yarrow)

The Pearl. Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent for rock work and cutflowers for vases; 2 feet. **Pkt., 15c; ½ oz., 45c.**

ACONITUM

(Monk's Hood, Wolfsbane)

Napellus Blue. A hardy perennial, growing in any good garden soil of slow germination, producing long spikes of curiously-shaped blue flowers. Well adapted for planting among shrubbery or in shady corners of the garden; 3 to 4 feet. July and August. **Pkt., 10c; ¼ oz., 40c.**

ACROCLINIUM

(Everlasting Flower)

A pretty everlasting, bearing pretty bright rose and white flowers which, when cut in the bud state, can be dried and used for winter bouquets. Double mixed; 1 foot. **Pkt., 10c; ¼ oz., 20c.**

ADLUMIA

(Allegheny Vine)

Cirrrosa. A hardy biennial climber, blooming the first season; flesh colored flowers. **Pkt., 10c.**

ADONIS AESTIVALIS

(Flos Adonis)

Beautiful annual red flowers with light center. Of easy culture and showy. Fine cut foliage. 1 foot. **Pkt., 10c; ½ oz., 25c.**

AGERATUM (Floss Flower)

An excellent annual plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A sowing in September will produce plants to bloom in winter. A continuous bloomer.

St. Louis. This is a new variety of Ageratum. Its great value is due to the dwarf and compact habit and to the very long flowering. The flowers are of a beautiful blue, changing slightly into a rosy color. **Pkt., 25c.**

Blue Ball. Attractive, compact bushes with a profusion of small ball-shaped pure blue flowers. Excellent for borders; 6 inches. **Pkt., 10c; ¼ oz., 25c.**

Imperial Dwarf Blue. Clear Blue; compact growing plant; height 9 inches. **Pkt., 10c; ¼ oz., 25c.**

Imperial Dwarf White. **Pkt., 10c; ¼ oz., 25c.**

Little Blue Star. Plants densely covered with bright blue flowers; height 5 inches. **Pkt., 15c; ¼ oz., 50c.**

Mixed. Blue and white; 12 in. **Pkt., 10c; ½ oz., 35c.**

1 Pkt., each 5 varieties, 50c.

AGROSTEMMA CORONARIA (Rose Campion)

Exceedingly handsome and free-flowering; excellent for Rock Garden. Perennial; will bloom the first year if sown early. Blood red. June and July. 1½ feet. **Pkt., 10c; ½ oz., 25c.**

ALYSSUM (Annual)

This is one of the finest hardy annuals we have, and is beloved by many on account of its modest blossoms, very similar to white forget-me-nots. It begins to blossom early in the season and blooms more or less constantly until Fall. Very useful for rock work.

Miniature. This new variety is of exceedingly dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. 3 to 4 inches. **Pkt., 15c; ½ oz., 50c.**

Carpet of Snow. We know of no other white flower which is so particularly well adapted to borders, ribbons, etc., as our Carpet of Snow Alyssum. **Pkt., 10c; ½ oz., 35c.**

Little Gem. The best variety for bedding. Very dwarf and compact. **Pkt., 10c; ½ oz., 35c.**

Lilac Queen. A distinct, new annual variety with lilac shaded flowers. The plants are of dwarf, compact growth. **Pkt., 10c; ½ oz., 35c.**

Maritimum (Sweet). Of trailing habit; flowers white. **Pkt., 5c; ½ oz., 25c.**

Saxatile. Hardy. A grand variety of exquisite coloring, a Golden yellow. Hardy perennial, but blooms the first season from seed if sown early, grows about 12 inches high; May; excellent for Rock Gardens. **Pkt., 10c; ½ oz., 40c.**



Ageratum

AMARANTHUS

Beautiful colored foliage plants; succeeds best in sunny, dry locations.

Tri-Color (Joseph's Coat). Decorative foliage plants, easily raised from seed. Useful in borders of tall plants or for the center of large beds; annual; 3 feet. **Pkt., 10c; ½ oz., 25c.**

Sunrise. Foliage bronzy crimson, tipped carmine. 3 feet. **Pkt., 15c; ¼ oz., 35c.**

Choice Mixed. **Pkt., 5c; ½ oz., 15c.**

AMPELOPSIS (Boston or Japan Ivy)

Veitchii. Clings to the walls of wood, stone or brick. Hardy. 20 feet. **Pkt., 10c; ½ oz., 25c.**

ANAGALLIS

Grandiflora Mixed. 6 inch. Lovely dwarf annual plants, exceedingly effective as edgings, also charming on rockwork and in pots. **Pkt., 10c; ¼ oz., 30c.**

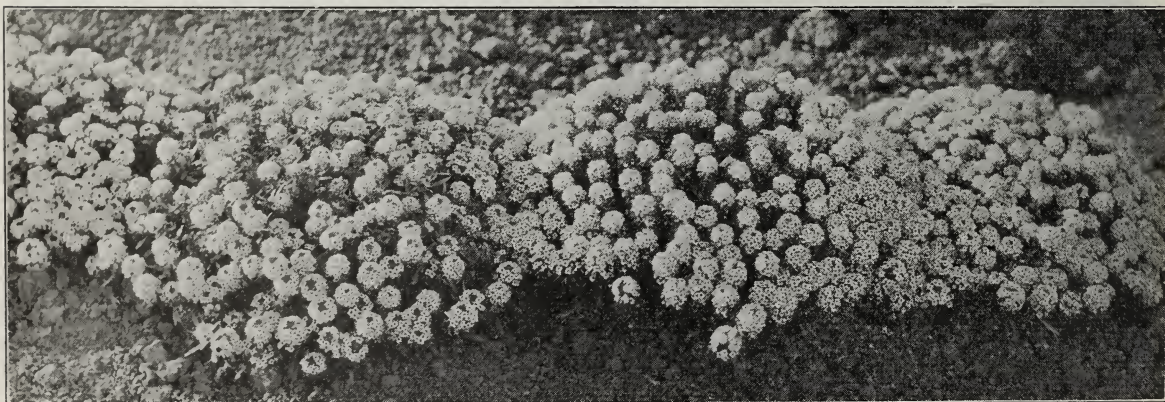
ANCHUSA (Dropmore Variety)

Italica. One of the finest hardy plants of recent introduction, remarkable for its free and continuous flowering and the beautiful gentian-blue color of its flowers; grows about five feet high, and should be in every hardy border. May and June. **Pkt., 10c; ½ oz., 40c.**

ANEMONE (Windflower)

A very pleasing perennial, producing large double and semi-double flowers; few plants compare with them in beauty; fine for bouquets. Sow outdoors in Spring, keeping shaded till the plants appear. May and June. 1½ feet.

St. Brigid. Mixed colors. **Pkt., 15c; ½ oz., 40c.**



Miniature Alyssum

ANTIRRHINUM

Half hardy Perennial Treated as an Annual

Antirrhinums or Snapdragons have increased in popularity within the last few years until now, when used for cutting or grown in the garden for display, they rival even the sweet pea in beauty and gracefulness. They are one of the most valuable flowers that grow from seed.

Seed sown out of doors the first week of May will bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

ANTIRRHINUM

Large Flowering Half Dwarf (18 inches)

	1/4 Oz.	Pkt.
Nelrose, brilliant rose.....	\$0.35	\$0.10
Empress, rich velvety crimson.....	.35	.10
Fawn, terra cotta pink, suffused yellow..	.35	.10
Golden Queen, clear yellow.....	.35	.10
Defiance, orange scarlet.....	.35	.10
The Bride, pure white.....	.35	.10
Silver Pink, pearly pink self.....	.35	.10
Mixed, varieties.....	.35	.10

1 Pkt. each 7 varieties, 50c.



Antirrhinum. Large flg. Half Dwarf

ANTIRRHINUM MAXIMUM

This is a wonderful new group of Antirrhinums. The flowers are of magnificent size closely placed on the spike. 3 feet.

	1/4 Oz.	Pkt.
Copper King—Velvety Copper Scarlet....	\$0.50	\$0.15
Golden Queen—Deep Yellow.....	.50	.15
Purple King—Deep Glowing Purple.....	.50	.15
Salmon Rose.....	...	.25
Snowflake—Pure White, Yellow Tube... ..	.50	.15
The Rose—Rose Pink.....	.50	.15
Mixed.....	.50	.15

1 Pkt. each, 6 varieties, 75c.

Tall, Giant-Flowering Varieties

The varieties offered below are the best and most improved of the largest-flowering sorts. The blooms are double the size of the old varieties and for a select strain of this great favorite, plant our improved strain. 2 1/2 to 3 feet.

	1/4 Oz.	Pkt.
Fire King. Orange scarlet, white tube....	\$0.30	\$0.10
Golden King. Giant yellow.....	.30	.10
Rose Queen. Soft rose.....	.30	.10
Rose King. Deep rose.....	.30	.10
Crimson King.....	.30	.10
Venus. Delicate pink.....	.30	.10
Queen Victoria. White.....	.30	.10
Mixed. Large flowering.....	.30	.10

1 Pkt. each 7 varieties, 50c.

ANTIRRHINUM

TOM THUMB OR DWARF

Mixed. The plants grow about 8 inches high and are covered with fine stocky flower-spikes, including a wide range of colors. Pkt., 10c; 1/4 oz., 50c.

ANTIRRHINUM

ROCK HYBRIDS

It forms small compact bushes with variously colored flowers, shades of rose, pink, purple, mauve and bicolors being produced in great profusion. It blooms a week earlier than the average Snapdragon and is eminently suitable for the decoration of rock and Alpine gardens. Pkt., 25c.

Antirrhinum

Finest Double Mixed, Pkt., 15c; 1/8 oz., 50c.

ANTHEMIS

(Hardy Marguerite)

Kelwayi. A most satisfactory hardy perennial, bearing all summer daisy-like golden-yellow blossoms; excellent for cutting, 2 ft. Pkt., 10c; 1/4 oz., 25c.

Tinctoria. 2 to 3 feet. Bright yellow shading to white. June-October. Pkt.; 10c; 1/4 oz., 30c.

AQUILEGIA (Columbine)

Few hardy perennials are so easily grown from seed. A most desirable border plant. Blooms early, long and abundantly, is useful for cutting. Sow in the fall for flowering the following season. 2 to 3 feet.

Long Spurred Hybrids. Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. Very useful for rock work. Shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, are found in this mixture. Pkt., 15c; 1/8 oz., 40c.

Chrysantha. Golden-yellow. Pkt., 10c.

Silver Queen. Long spurred pure white. Pkt., 15c. Pkt.

California Hybrids—Exquisite flowers.....	\$0.15
Canadensis. Old rose and yellow.....	.15
Coerulea. Splendid light blue and white.....	.15
Double. All colors mixed. 1/2 oz., 35c.....	.10
Single. All colors mixed. 1/2 oz., 35c.....	.10

ARABIS (Rock Cress)

Alpina. A hardy perennial unequalled for rockeries and one of the earliest and prettiest Spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. 6 inches. **Pkt., 10c; ½ oz., 40c.**

ARCTOTIS GRANDIS

Blue-Eyed, or African Daisy. White and lilac. The large daisy-like blooms of this fine, hardy annual are excellent for cutting. 2 feet. **Pkt., 10c; ¼ oz., 25c.**

ARGEMONE (The Prickly Poppy)

Hybrida Grandiflora. An easily grown annual with attractive whitish green foliage, having a white mid-rib and fine white spines on the margin. The plants grow 2½ to 3 feet tall. They are of bushy habit and bear a profusion of single Poppy-like blooms from July until frost. Color, pink, yellow to richest golden yellow. Excellent for mixed borders. Sow where to bloom. **Pkt., 10c; ½ oz., 40c.**

ASTERS (Annuals) Choicest Varieties for Summer Flowering

Asters will thrive in any good soil, prepared in the same way as you would for a crop of vegetables, but it is well to remember that any extra care taken in the preparation of the soil is repaid by finer plants, larger blooms, with longer stems and more profuse flowering. They should have open, sunny position, and prefer a good heavy, loamy soil. For early flowering, seeds should be started in a sunny window, hotbed or coldframe in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (Midseason) and September (late) sow seeds outside in finely prepared ground in May, thinning out to one foot in the rows and two feet between.

"QUEEN OF THE MARKET" ASTER

For an early blooming type this branching class offers many advantages. The handsome blossoms which are rather flat are relatively broad and full with incurved petals. It will bloom 2 weeks earlier than any other sort in our list and remain in good condition until the later varieties begin to flower. Very satisfactory for cutting. 18 inches.

	½ Oz.	Pkt.
White	\$0.50	\$0.10
Lavender .....	.50	.10
Light Blue .....	.50	.10
Dark Blue .....	.50	.10
Crimson .....	.50	.10
Blush Pink .....	.50	.10
Purple .....	.50	.10
Rose .....	.50	.10
Mixed .....	.50	.10

1 Pkt. each, 8 varieties, 55c.

EARLY AMERICAN BEAUTY ASTER

This variety is similar in type of flower and growth to the well-known Late Branching Asters. The flowers are fully double to the last. Each plant forms a perfect bush. 2 to 2½ feet.

	Pkt.		Pkt.
Crimson	\$0.15	White	\$0.15
Lavender .....	.15	Delicate Pink .....	.15
Purple .....	.15	Rose Pink .....	.15
Mixed, ¼ oz., 50c .....			.15

1 Pkt., each 6 varieties, 65c.

IMPR. GIANT CREGO ASTERS

In the garden Crego's Giant Asters are valuable because they form a well-rounded, compact plant about 2 feet tall. They are classed as a mid-season type, filling in the season between the early and late Asters.

	¼ Oz.	Pkt.
Crimson	\$0.40	\$0.10
White .....	.35	.10
Azure Blue .....	.35	.10
Pink .....	.35	.10
Shell Pink .....	.35	.10
Lavender .....	.35	.10
Purple—Bright .....	.35	.10
Rose—Rich deep rose .....	.35	.10
Mixed .....	.35	.10

1 Pkt. each, 8 varieties, 55c.

ARMERIA (Sea Pink or Thrift)

Formosa. A pretty hardy perennial for edgings. Dwarf compact plants with grass-like foliage and large clover-like flower-heads. The blooms are bright rose, carried on stems 12 inches long. Plant in a rich, moderately moist, sunny location. **Pkt., 15c; ⅛ oz., 35c.**

ASPARAGUS

The ornamental varieties of Asparagus are highly valued for their feathery sprays of foliage. They are particularly useful as soft backgrounds for floral baskets and bouquets; much used by florists. Seeds start slowly and should be soaked in warm water before planting.

Plumosus Nanus (Lace Fern). 3 ft. The bright green sprays surpass the Maiden-hair Fern. **Pkt., 10c.**

Sprengerii (Emerald Feather). A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. **Pkt., 10c.**

ASTER GIANT PAEONY FLOWERED

A selection of Asters suitable for florists and home gardens. 2 feet.

	⅛ Oz.	Pkt.
Swansdown. Pure White	\$0.60	\$0.25
Maiden's Blush. Delicate Flesh .....	.60	.25
Azure Fairy. Clear Azure Blue .....	.60	.25
Above Colors Mixed .....	.60	.25



CALIFORNIA GIANT ASTERS

The flowers are much larger and more substantial than the Improved Crego. They measure 5 to 6 inches in diameter. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. 3 feet.

	Pkt.		Pkt.
Dark Purple.....	\$0.15	Peach Blossom....	\$0.15
Deep Rose.....	.15	White.....	.15
Light Blue.....	.15		
Mixed, $\frac{1}{4}$ oz., 65c.....			.15
1 Pkt. each, 5 varieties, 55c.			

ST. L. S. CO.'S LATE BRANCHING ASTERS

The superb strain of American origin and especially adapted to our climatic conditions, now one of our leading specialties, extraordinary care being given each season to the selection of the very finest specimens for stock seed.

The plants form strong, branching bushes, $2\frac{1}{2}$ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers.

$\frac{1}{4}$ Oz.	Pkt.	$\frac{1}{4}$ Oz.	Pkt.
Pure White..	\$0.35 \$0.10	Blush Pink..	\$0.35 \$0.10
Light Blue..	.35 .10	Lavender...	.35 .10
Rose.....	.35 .10	Crimson....	.35 .10
Purple.....	.35 .10	Mixed.....	.35 .10
1 Pkt. each, 7 varieties, 50c.			

ASTERS**CALIFORNIA IMPROVED SUNSHINE**

A beautiful new type of Aster, forming well-branched bushes carrying a profusion of excellent long-stemmed flowers. The outer petals are long and narrow, whereas toward the center the petals are tubular, with a four-pointed star at the end. Excellent for garden display and particularly fine for cutting. $2\frac{1}{2}$ feet. Pkt., 15c.



California Giants



Aster St. L. S. Co.'s Late Branching

GIANT COMET ASTERS

Flowers of immense size, often 4 inches across, composed of long, wavy, twisted petals, gracefully formed. Mixed, Pkt., 10c; $\frac{1}{4}$ oz., 35c.

ST. L. S. CO.'S NOVELTY MIXED ASTERS

This superb mixture is composed of all new novelties of recent introduction. The plants form strong, branching bushes, 2 to 3 feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers. Pkt., 15c; $\frac{1}{4}$ oz., 65c.

CHINA ASTERS

Single Mixed. Within late years the single Asters have gained in favor with the flower lovers. Our mixture contains all the leading colors, well blended. 2 feet. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

DWARF CHRYSANTHEMUM-FLOWERED ASTERS

Bushy plants, bearing large perfectly double flowers, fine for either gardens or pot culture. 12 inches. **Finest Mixed Colors.** Pkt., 10c; $\frac{1}{4}$ oz., 50c.

HARDY PERENNIAL ASTER

Mixed (Michaelmas Daisies). Single fall-flowering, hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 feet. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

Alpinus. Indispensable for the rockery or edge of hardy borders; grows 8 to 10 inches high and bears large showy bluish purple flowers in May and June. Mixed. Pkt., 15c.

AUBRIETIA (Rainbow Rock Cress)

Large-flowering Hybrids. A beautiful dwarf rock plant, covered with sheets of bright flowers in spring and early summer; 6 inches. Perennial. **Pkt., 15c; 1/8 oz., 40c.**

AURICULA (Primula Auricula)

Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; half-hardy perennial; 6 inches; May. **Pkt., 15c.**

BALLOON VINE (Love-in-a-Puff)

A rapid-growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. 5 to 10 feet. **Pkt., 5c; 1/2 oz., 15c.**

BALSAM (Lady Slipper)

Camellia Flowered Double. An old favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion. Seed should be started in boxes indoors or in the open ground when danger of frost is past. The plants must not suffer for moisture. Tender annuals, 2 feet.

	1/2 Oz.	Pkt.
White.....	\$0.35	\$0.10
Light Pink.....	.35	.10
Scarlet.....	.35	.10
Salmon Rose.....	.35	.10
Mixed.....	.35	.10

Rose Flowering. Double Mixed. oz., 35c; Pkt., 5c.

1 Pkt., each 4 varieties, 30c.

BALSAM APPLE (Mormordica)

A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. When ripe it opens and shows the seeds and brilliant carmine interior. The fruit preserved in alcohol make a useful liniment. **Pkt., 10c; oz., 30c.**

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant 3 feet high; dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July. **Pkt., 15c.**



Double Daisy (Bellis Perennis)



Balsam

BARTONIA

Aurea. Though a native of California this sort should be better known elsewhere. The handsome single chalice-shaped flowers, their throats decorated with bristling stamens, are golden yellow. The gray thistle-like foliage glistens in the sunshine. They do not stand transplanting and do best in full sun out of the wind, preferably in a dry spot even in poor soil. 1 foot. **Pkt., 10c; 1/2 oz., 25c.**

BEAN, SCARLET RUNNER

A great favorite in Europe, not only as an ornamental climber, but for the delicious edible beans. **Pkt., 10c; 1/4 lb., 25c; 1 lb., 60c.**

BEGONIA

A beautiful flower of various colors. Blooms in constant profusion from early Summer until late Fall, and an excellent plant for Winter blooming. Should be started either indoors or in a hotbed.

Prima Donna. Light rose, 10 inches. **Pkt., 15c.**

Erfordia. Carmine rose, 10 inches. **Pkt., 15c.**

Luminosa. Brilliant, fiery, dark scarlet. 10 inches. **Pkt., 15c.**

Rosabelle. Rose pink. **Pkt., 25c.**

Dwarf Vernon. Orange-carmine. 6 inches. **Pkt., 15c.**

Fine Mixed. Similar to above, mixed. **Pkt., 10c; 1/8 oz., 75c.**

BELLIS-PERENNIS or DOUBLE DAISY

Greatly improved varieties of the popular "Double Daisies." Admirably adapted for edgings, borders and low beds, and also well suited for growing in pots. About 6 inches.

	1/8 Oz.	Pkt.
Double Red.....	\$0.40	\$0.15
" Pink.....	.40	.15
" White—Pure White.....	.40	.15
" Mixed Colors.....	.40	.15

1 Pkt. each 3 varieties, 35c.

Shasta Daisy. See Page 56.

Daisy African Golden. See Page 59.

BOCCONIA (Plume Poppy)

Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers; 6 to 7 ft. **Pkt., 10c; ½ oz., 30c.**

BOLTONIA

Latisquama. A sturdy, tall-growing perennial, 5 to 6 feet high, bearing a profusion of star-shaped, pinkish lavender blooms during September and October. An excellent cut-flower and very draught resistant. **Pkt., 15c; ¼ oz., 50c.**

BRACHYCOME

(Swan River Daisy)

Iberidifolia. Mixed. Delightful blue and white flowers resembling Cinerarias, borne on slender stems, with graceful foliage. Plants are profuse bloomers. Very useful for edging work and make pretty pot plants in Winter. Sow seed in hotbed in March. Height 12 inches. **Pkt., 10c; ½ oz., 40c.**

BROWALLIA

Speciosa Major. A beautiful large-flowering variety of the most brilliant ultramarine blue, a rare color; does finely outside in the border, or in hanging-baskets or vases, but is especially valuable as a pot plant for winter and early spring flowering. **Pkt., 25c.**

CACALIA (Tassel Flower)

..A pretty free-blooming plant with red tassel-shaped flowers, also called Devil's Paint Brush. Annual; 18 inches. June to September. **Pkt., 10c; ½ oz., 25c.**

CALCEROLARIA (House Plant)

This universally admired species bears bizarre pouch-shaped flowers in great profusion. They are beautifully varied in their coloring and marking with light backgrounds curiously splashed or spotted with rich maroon or brown. The strain we offer is only suitable for greenhouse or indoor culture except where the climate is very mild. A much admired, showy, slipper-like flower. 18 inches. **Mixed. Pkt., 25c**



Calliopsis

CALENDULA (Annual)

Useful and showiest annual for the garden, or as a cut flower. In most climates it blooms all summer but the brilliant flowers are particularly valuable in late fall. They thrive even in poor soil and require very little care. Calendulas, besides being so popular for open air culture, are of great merit for forcing by florists who appreciate their value for winter use. Flowers borne on long, stiff stems. 1½ feet.

Radio. The true Radio form is a medium-sized orange flower with quilled or comet petals, curled and twisted. **Pkt., 15c;**

Campfire. A distinct new type originating from our florist's strain of Orange King. The color of the petals is brilliant orange. **Pkt., 15c; ¼ oz., 75c.**

Lemon Queen. Very large and extremely double flowers of a pleasing rich lemon-yellow, dark eye. **Pkt., 10c; ½ oz., 50c.**

Orange King. Very large, double orange-red. **Pkt., 10c; ¼ oz., 50c.**

Meteor. Creamy center, edged with orange. **Pkt., 10c; ½ oz., 25c.**

Nankeen. Double flowers of a creamy-yellow. **Pkt., 10c; ½ oz., 30c.**

Mixed, Pkt., 5c; ½ oz., 20c.

1 Pkt. each 6 varieties, 50c.

CALLIOPSIS (Annual)

One of the most showy flowers, very easily grown; will thrive almost anywhere without trouble or care. A favorite for the home yard or lawn.

Crimson King. A fine dwarf sort, 12 inches high; color, rich velvety crimson-garnet. **Pkt., 10c; ½ oz., 30c.**

Crown of Gold. Large, rich, golden-yellow, 18 inches. **Pkt., 10c; ½ oz., 30c.**

Golden Ray. Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon edged with golden yellow. **Pkt., 10c; ½ oz., 30c.**

Dwarf Superb Hybrids Mixed. Unlike other varieties, this is a fine bedding plant, besides being useful for bouquets. The colors are richer and more varied. Height, 12 inches. **Pkt., 10c; ½ oz., 25c.**

Tall Mixed. Valuable for mixed beds and borders. About 2 to 3 feet. **Pkt., 5c; ½ oz., 30c.**



Calendula



Candytuft Giant Hyacinth
Flowered

CANARY BIRD VINE
(*Tropaeolum Canariense*)

A beautiful rapid annual climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. 15 feet. **Pkt., 10c; oz., 25c.**

CANDYTUFT (Iberis) (Annual)

The Candytuft is almost as fragrant as the sweet alyssum and very popular. Very useful as a bedding plant or for border work.

If sown in spring in rich, mellow soil the plants will usually bloom from July to September or if in the fall will be likely to blossom from the last of May to July. Make rows about one foot apart and cover the seeds with about one-fourth inch of fine soil firmly pressed down. When two inches high thin to four inches apart in the row. Larger flowers are obtained if some of the branches are removed, and an abundance of water is desirable.

Empress. The best, pure white and the best for cut flowers; fragrant. 1 ft. **Pkt., 10c; ½ oz., 25c.**

Giant Hyacinth-flowered. White. As a result of extra care and painstaking selection this is now the finest of all flowers, in a pyramid of bloom. 1 ft. **Pkt., 10c; ½ oz., 25c.**

CANDYTUFT (Umbellata)

They bloom in about eight weeks from the time of sowing, and in order to keep up a succession of bloom two sowings should be made at intervals of about two weeks. For best results give each plant sufficient space for full development, not less than six inches apart and nine inches is better. Highly useful for cutting.

	½ Oz.	Pkt.		½ Oz.	Pkt.
Carmine	\$0.25	\$0.10	Rose Cardinal.....	.25	.10
Crimson.....	.25	.10	White.....	.25	.10
Lavender.....	.25	.10	Mixed.....	.25	.10
Flesh Pink.....	.25	.10	1 Pkt. each 6 varieties, 45c.		

HARDY CANDYTUFT

Gibraltarica. White flowers, shading to lilac. May and June. 1 ft. **Pkt., 10c; ¼ oz., 35c.**

Sempervirens. A profuse, white-blooming, hardy perennial coming in flower early in the Spring; much used for cemeteries, rockeries, etc. April and May. 1 foot. **Pkt., 15c; ¼ oz., 50c.**

CAMPANULA

Medium or Canterbury Bells

The seeds should be sown by mid-April, in finely prepared, rich soil and if the weather is dry, they should be given a thorough watering late every afternoon. By the 15th of July the little plants should be transplanted to the places where they are to bloom the following summer; a little straw or coarse hay, thrown over them when the ground begins to freeze, makes all the winter covering these plants require.

MEDIUM CALYCANTHEMA

Cup and Saucer. 2½ feet.

This is unquestionably the finest type of this old-fashioned and much prized garden plant.

	Pkt.	Pkt.
Dark Blue	\$0.10	Rose.....\$0.10
Light Blue.....	.10	White......10
Mixed, ¼ oz., 50c......		.10

1 Pkt. each 4 varieties, 30c.

SINGLE CANTERBURY BELLS

Campanula Medium

Showy, hardy biennial, growing about 3 feet high with large bell-shaped flowers. Sow from June 1st till September 1st. Protect during winter.

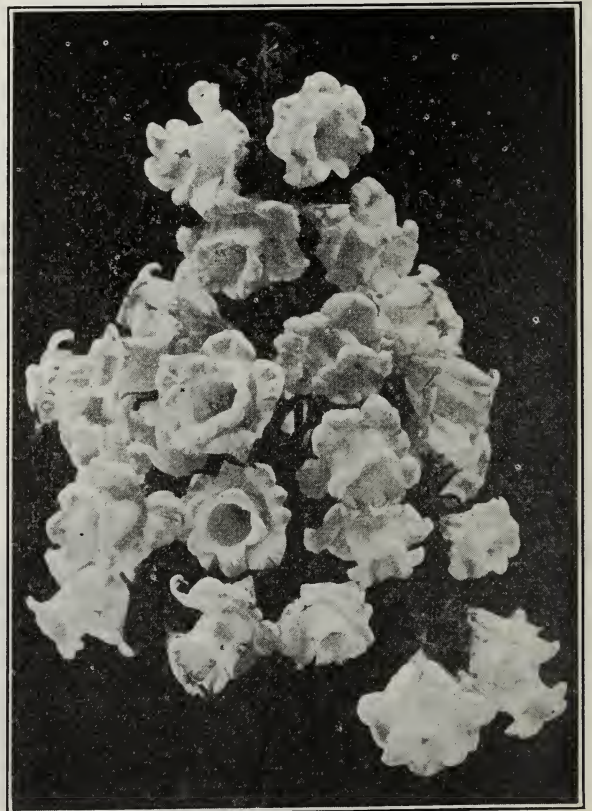
	Pkt.	Pkt.
Single Blue	\$0.10	Single White....\$0.10
Single Rose.....	.10	Single Mixed.... .10

1 Pkt. each 3 varieties, 25c.

Carpatica Blue (Carpathian Hare Bell). Free-flowering hardy perennial, continuing in bloom the whole season; color, clear blue; grows 8 inches high; especially good for edging and rock-garden. **Pkt., 10c; ¼ oz., 30c.**

Carpatica White. The white-flowered form of the above. **Pkt., 10c; ¼ oz., 30c.**

Pyramidalis (Chimney Bellflower). Perfect pyramids 4 to 6 feet high, with large bell-shaped flowers, blue and white mixed. **Pkt., 15c; ¼ oz., 35c.**



Campanula or Canterbury Bells

CANNA (Annual)

Cannas are famous for their luxuriant growth and immense flowers of most brilliant colors; their profusion and continuity of bloom under all climes and conditions render them easily the most useful, showy and universally popular garden plants grown. Soak seed in warm water. Mixed, Pkt., 10c; oz., 35c.

CARDINAL CLIMBER

We consider it the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from Mid-Summer till frost. The flowers are borne in clusters of 5 to 7 blooms each. Pkt., 10c; ½ oz., 50c.

CARNATION

Chabaud's Giant. Blooms in five months after being sown and continues to bloom throughout the summer; flowers of fine substance and usually produce 90% double flowers.

	¼ Oz.	Pkt.
Dark Red.....	\$0.60	\$0.15
Deep Rose.....	.60	.15
White.....	.60	.15
Yellow.....	.60	.15
Finest Mixed.....	.60	.15

1 Pkt. each 4 varieties, 45c.

Marguerite, Mixed. Pkt., 10c; ½ oz., 40c.



CARNATION (Hardy Grenadin)

This is a very fine strain, particularly adapted for garden planting. Seed sown in the Spring will produce large and thrifty clumps that will stand out over winter and bloom throughout the following Summer and Fall.

	¼ Oz.	Pkt.
Double Scarlet.....	\$0.50	\$0.20
“ White.....	.50	.20
“ Triumph Pink.....	.50	.20
“ Mixed.....	.35	.15

1 Pkt. each 3 varieties, 50c.

CELOSIA (Coxcomb)

Beautiful plumes of brilliant colors. Being fine for vases, and of splendid foliage. Seed may be sown outdoors as early in spring as ground is warm and dry, using if possible light rich, well pulverized soil, and giving plenty of moisture. For larger and more beautiful plumes start the seed very early indoors and transplant to place when weather is settled. Also adapted for growing in pots in greenhouses and conservatory. Half hardy annuals.

Thompson's Magnifica. All colors mixed; 2 feet.

Pkt., 10c; ½ oz., 35c.

Tall Crimson. Pkt., 10c; Tall Golden, Pkt., 10c.

CELOSIA DWARF

Glasgow Prize. The best dwarf crimson sort, with handsome dark foliage. Combs very large and solid.

Pkt., 10c; ¼ oz., 40c.

Golden Queen. Dwarf Golden. Pkt., 10c; ¼ oz., 40c.

Dwarf Mixed. Pkt., 10c; ¼ oz., 50c.

Celosia Childsii. See Woolflower on Page 82.

CENTAUREA (Annual)

(Corn Flower, or Bachelor's Button)

Sow seed in early spring and transplant to open ground or sow in open ground as soon as the weather is warm and settled. Cover seed about one-fourth inch deep; thin to three or four inches apart. Fine for cut flowers, bedding or borders. The young plants are very sensitive to wet, and care should be taken to prevent water standing on the leaves. Seeds sown in fall will come up in spring; 3 feet.

	½ Pkt.	Oz.
Double White..	10c	25c
Double Blue..	10c	25c
Double Rose..	10c	25c
Double Mixed..	10c	25c

1 Pkt. each, 3 varieties, 25c.



Celosia (Coxcomb)



Imperialis (Giant Royal) Sweet Sultans

CENTAUREA IMPERIALIS

(Royal Giant Sultans)

This class produces large, very double, finely laciniated flowers of graceful form and delicious fragrance. They are very desirable for cut flowers and will often last for over a week when placed in water. They should be cut before the blossoms are fully opened.

Bushes are from 2½ to 3 feet in height, flowers are finely fringed, soft and feathery and frequently 3 inches across.

Pkt.		Pkt.	
Brilliant Pink.....	\$0.10	Rose.....	\$0.10
Lavender.....	.10	White.....	.10
Purple.....	.10	Red.....	.10
Mixed, ½ oz., 40c.....			.10

1 Pkt. each 6 varieties, 40c.

VARIOUS CENTAUREAS

Suaveolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms. Pkt., 10c; ½ oz., 40c.

Americana. By far the largest flowering of all the annual Centaureas. The plants grow 3 feet tall and produce during July and August mammoth blooms composed of many delicate petals of a bright lilac-blue shade. Plant in a sunny spot which is well drained. Pkt., 10c; ½ oz., 40c.

Montana (Hardy Cornflower). Violet blue; 18 inches. Pkt., 10c; ½ oz., 35c.

ORNAMENTAL LEAVED CENTAUREA

(Dusty Miller)

Candidissima. For bedding, hanging baskets and pots and for edging of beds where white foliage is desired. Easily raised from seeds. Silvery white, finely cut leaves. 15 inches. Pkt., 10c; ¼ oz., 50c.

Gymnocarpa. Leaves not so white as the above. 1½ to 2 feet. Pkt., 10c; ½ oz., 30c.

CERASTIUM (Snow in Summer)

Tomentosum. Dwarf, perennial plant, for edgings and rockeries; silvery foliage and white flowers. 16 inches. Pkt., 10c; ¼ oz., 40c.

**Chrysanthemum****CHEIRANTHUS (Siberian Wallflower)**

Allioni. This unusual little plant deserves a place in your rock garden or low border. The upright spikes bear numerous cruciform flowers of a dazzling rich orange. Though a hardy biennial, it flowers the first season from seed and when established will bloom throughout the summer. 1 foot. Pkt., 15c; ½ oz., 35c.

CHRYSANTHEMUMS (Annual)

There are many people, however, who do not realize how easily they may be grown from seed, and that all of the magnificent new varieties were raised from hybridized seed.

Bridal Robe. Of very compact and upright habit; 10 inches in height; the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of double pure white flowers. Pkt., 15c.

Carinatum. Owing to its magnificent golden yellow, white and red shades, it is fast becoming a florist favorite; 20 inches.

	½ Oz.	Pkt.
Double Purple King.....	\$0.40	\$0.10
Double White.....	.40	.10
Double Yellow.....	.40	.10
Double Red.....	.40	.10
Double Mixed.....	.40	.10
Single Fine Mixed.....	.25	.10

1 Pkt. each 4 varieties, 30c.

Double Early Flowering. Mixed. A perennial variety, which can also be treated as an annual, blooming the first year from seed if sown early. Pkt., 25c.

CINERARIA (House Plant)

Magnificent flowering plants for Spring decorations for the conservatory or window garden. The flowers measure 2 to 3 inches across; various colors.

Giant Prize. Semi-dwarf, Extra; 1 ft. Pkt., 20c.

Multiflora Nana Potsdam. This is an extra fine dwarf select mixed variety, nothing better; 10 inches. Pkt., 25c.

CLIMBERS (Rapid Mixture)

This mixture contains flowers of gigantic size, and coloring and markings beyond description and embraces all variations. Annual. Pkt., 10c; oz., 25c.

**Cineraria. Giant Prize**

CLARKIA ELEGANS

This pretty and easily grown annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities of Europe; they do well either in sun or shade, growing 2 to 2½ feet high, with leafy racemes of double flowers, which all open in water when cut. Seed sown in early fall will bloom the following spring.

	½ Oz.	Pkt.
Double White.....	\$0.35	\$0.10
Double Scarlet Queen.....	.35	.10
Double Salmon Pink.....	.35	.10
Double Orange Scarlet.....	.35	.10
Double Mixed. A fine mixture contain- ing all the colors.....	.35	.10
1 Pkt. each 4 varieties, 30c.		

CLEMATIS

Hybrids (Mixed). The best known and most valued climbing variety. A great variety of colors. Hardy. Pkt., 25c.

Paniculata (Climbing). 15 feet. Fall-flowering vine with white flowers. Hardy. For plants, see page 95. Pkt., 10c; ½ oz., 40c.

CLEOME (Giant Spider Plant)

Large spikes of rosy carmine flowers. Large bushy plants; 3 to 4 feet high. Annual.

Gigantea. The finest strain. Pkt., 10c; ½ oz., 35c.

COBAEA (Cup and Saucer Vine)

A rapid growing climber with handsome dark green foliage, bearing on graceful stems, large bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet-blue. A wire netting trellis or support for the many green tendrils to fasten upon is preferable to cords or smooth wire.

Scandens, Blue. Large, bell-shaped flowers. Pkt., 10c; ¼ oz., 25c.

Scandens, White. Pkt., 10c; ¼ oz., 35c.

COLEUS

These magnificent ornamental foliage plants are splendidly adapted for winter house culture. They are also extensively transplanted outdoors when the weather is warm, and do well in partial shade. The large rich velvety leaves are of many shades and superb combinations of green, red and yellow. 1 foot. **Fine Mixed.** Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in a warm temperature. Pkt., 20c; ½ oz., 50c.

COREOPSIS

Lanceolata Gr. Fl. One of the finest hardy garden plants grown. 2 to 3 feet high, and increasing in beauty, luxuriance and floriferousness each year, though it flowers the first season from seed sown early, producing immense, long stemmed, rich yellow flowers, shaded with orange, flowering in profusion for a long period during the summer; unequalled for cutting; grows anywhere. Pkt., 10c; ½ oz., 25c.

Lanceolata Grandiflora Fl. Pl. (Double Flowering Coreopsis). Similar in habit to the above flowers; double and semi-double; splendid for cutting. 3 feet. Pkt., 15c; ½ oz., 40c.

CORN RAINBOW (Ornamental)

Zea Japonica. A stately plant growing 5 to 6 feet tall, with broad and long leaves which are superbly striped with red, rose, yellow, white and bronze. Plant the seeds early in the spring. Excellent for background planting, for hiding unsightly corners, or for separating the vegetable from the flower garden. Of fine tropical appearance. Pkt., 10c; oz., 25c.

COSMOS

This beautiful annual is one of the most showy and useful of our garden plants. Plants grow from 4 to 6 feet in height, and are very bushy and compact. Excellent for cutting.

COSMOS EARLY EXPRESS

A new very early flowering Cosmos, which will produce flowers from seeds in forty-five days. 3 to 4 feet high.

	¼ Oz.	Pkt.
Ear. Express Pink.....	\$0.40	\$0.15
" " Crimson.....	.40	.15
" " White.....	.40	.15
" " Mixed.....	.40	.15

MAMMOTH EARLY

The long-stemmed flowers are of immense size, frequently measuring 5 inches across. The petals are broadly oval and overlap, forming a circular flower of perfect symmetry, having splendid substance and lasting qualities. 4 ft.

	½ Oz.	Pkt.	½ Oz.	Pkt.
Crimson.....	\$0.25	\$0.10	Pink....	\$0.25 \$0.10
White.....	.25	.10	Mixed...	.25 .10

1 Pkt. each 3 varieties, 25c.

GIANT FLOWERING (Late)

Broad petals, oval-shaped, and overlapping, and the perfect shape of the flowers, and the long lasting quality of this variety readily makes it a garden flower of great merit. 6 to 8 feet.

	½ Oz.	Pkt.
Crimson.....	\$0.25	\$0.10
Orange (Klondike) 1½ ft.....	.40	.10
Finest Mixed, ¼ lb., \$1.50.....	.25	.10

Lady Lenox, Pink. Lovely shell pink. Pkt., 10c; ½ oz., 25c.

Lady Lenox, White. A fine pure white selection from the above. Pkt., 10c; ½ oz., 25c.

Hybrida Finest Mixed. Our seed is all grown from a special strain; 6 feet. Pkt., 5c; oz., 35c.

1 Packet each 4 varieties, 30c.

Early Cosmos



COSMOS—Continued

Extra Early Double Crested Cosmos

This beautiful double Cosmos will bloom as early as the Mammoth Early Single variety. Plants grow from 3 to 5 feet tall. Our strain will give about 65% of double flowers from seed, the other 35% being semi-double and single.

	Pkt.		Pkt.
Pink.....	\$0.15	Crimson.....	\$0.15
White.....	.15	Mixed ¼ oz., 60c	.15
1 Pkt. each 3 varieties, 35c			

DOUBLE COSMOS (Late)

These new hybrids form bushy plants 5 to 6 feet high and flower profusely during the Autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms.

	¼ Oz.	Pkt.
Double Pink Beauty.....	\$0.35	\$0.10
“ White Queen.....	.35	.10
“ Crimson King.....	.35	.10
“ Mixed.....	.35	.10
1 Pkt. each 3 varieties, 25c.		

COTTON (Annual)

Grown extensively for decorating purposes. Very showy and attractive. 3 ft. Pkt., 10c; oz., 15c.

CUPHEA

A very pretty border plant. Very showy for borders and bedding. Dwarf habits. 1 ft. Annual. Platycentra. Pkt., 15c.

CYCLAMEN (House Plant)

They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living room. Mixed. Pkt., 25c.

CYNOGLOSSUM

(Chinese Forget-me-not)

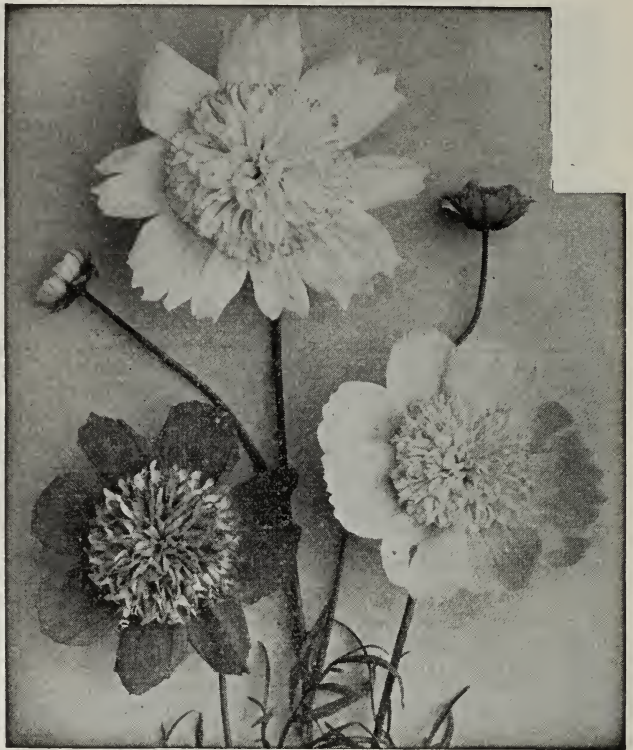
Amabile. An annual recently introduced from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. Pkt., 15c; ½ oz., 35c.

CYPERUS (Umbrella Plant)

Alternifolius. An excellent plant for growing in water and damp places, makes a very ornamental house plant, always presenting a green and attractive appearance. Pkt., 15c.



Cuphea



Double Cosmos

CYPRESS VINE (Annual)

One of the most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seed in warm water for a few hours. 15 feet.

	Oz.	Pkt.
Scarlet.....	\$0.20	\$0.10
White.....	.20	.10
Mixed.....	.15	.05

DAHLIA

Dahlias can be grown easily from seed so as to produce flowers the first year. In it can be found beautiful combinations of colors and marvelous blendings of shades and tints. 3 to 4 feet.

	Pkt.
Double Mixed..... ¼ oz.,	\$0.50 \$0.10
Single Mixed..... ½ oz.,	.35 .10
Cactus Mixed..... ¼ oz.,	.60 .15
St. Louis Seed Co.'s Dwarf Large flowering Hybrids. A new selection of unusual grace with giant flowers and comprising the very best types and colorings in existence. Sow seed early in spring and you will have flowers during July. A very dwarf Single Dahlia. 1½ feet. Mixed. Pkt., 25c; ¼ oz., 75c.	

DAISY

African Golden Daisy. (See Dimorphotheca page 59)

Shasta Daisy (Alaska). Splendid perennial plants with large single white flowers with yellow centers. Seed may be sown in the open ground early in spring but better results are usually obtained from sowings made in boxes indoors and plants set out after they have made some growth. Height 3 feet. Pkt., 10c., ¼ oz., 50c.

DATURA

Angel's "Trumpet." A new annual variety and exceedingly fine, bearing great trumpet-like white and lilac flowers, 6 to 8 inches long; plants 2 feet high. Pkt., 10c; ½ oz., 30c.

DELPHINIUM (Perennial Larkspur)

There is perhaps no better known hardy plant than the Delphinium. The Delphiniums are the most beautiful hardy plants in cultivation, for they have such an immense variety of beauty and increase in size, in beauty, and often in quantity, year after year. Some varieties grow 8 feet high in rich soil. They have immense spikes of most beautiful flowers of every imaginable shade of blue, and their season is long; in fact, they will bloom from Spring till Fall.

The culture of Delphiniums is exceedingly simple. Seeds sown in beds or flats during August, September and October will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. They thrive in almost any position,

and may be planted at any time of the year, provided that in Summer the plants are not too forward, and that they be well watered if the weather is dry. The soil may be a rich, friable loam, which suits them finely; but any soil, even hot and sandy, if well watered and manured, will give excellent results. Placed in lines, as a background to a border, or in groups of, say, three plants at intervals, the effect of the Delphinium is exceedingly fine. A succession of flowers may be expected from Spring to early Autumn, especially if the spikes, which have done flowering early, be cut down to the ground; fresh growth will then be produced which will give blossoms. Watering in Summer will increase size of spike and flower. Top-dressing is greatly recommended on certain soils, instead of the bare surface of the ground being left exposed to the sun.

Cliveden Beauty. A greatly improved strain of the popular Belladonna, with a brighter, larger blue flower, a more vigorous and taller growth and excelling any other Belladonna we have ever seen for continuous blooming. It comes true from seed. **Pkt., 25c; 1/4 oz., 75c.**

English Wrexham Hollyhock Strain. Their graceful spire shaped spikes of enormous size and beauty of form are rapidly bringing them to the front as the most popular flower for cutting or the garden. This mixture contains all the colors in Delphiniums, including both double and single flowers. **Pkt., 25c; 1/8 oz., 65c.**

Belladonna. This is one of the finest and most continuous blooming hardy Larkspur. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty. They are our best blue cut flowers, are perfectly hardy and established plants produce a number of spikes. **Pkt., 15c; 1/4 oz., 60c.**

Bellamosum. A dark blue of the type of Belladonna with the color of the old Formosum variety. **Pkt., 15c; 1/4 oz., 65c.**

St. L. S. Co.'s Large Flg. Hybrids. The strain we offer is not only replete with a range of remarkably handsome shades but has the additional quality of giving individual florets of immense size and handsomely formed spikes. The colors range from palest sky blue through such shades and colors as indigo, sapphire, dark blue, purple, violet, cornflower blue, etc. **Pkt., 25c; 1/4 oz., 75c.**

St. L. S. Co.'s Double Hybrids. A splendid mixture of large double flowering varieties. **Pkt., 15c; 1/4 oz., 65c.**

Chinese Blue. A lovely azure blue Delphinium flowering from the seed the first season if the seed is sown in early spring. The height is twelve to eighteen inches. Excellent for Rock Garden. **Pkt., 10c; 1/4 oz., 30c.**

Chinese White. The white-flowered form of the preceding. **Pkt., 10c; 1/4 oz., 30c.**

Chinese Mixed. A very pleasing mixture containing dark blue, light blue and white. **Pkt., 10c; 1/4 oz., 30c.**

DELPHINIUM PLANTS

1 Year Old, Ready April 15th to May 10th

Belladonna Improved. The freest and most continuous blooming of all. Clear turquoise blue.

Bellamosum. This is a dark blue form of the popular light blue Belladonna, with which it is identical in habit of growth.

Price of the above 25c each; \$2.50 per doz.; \$15.00 per 100.



Delphinium



DIANTHUS PLUMARIOUS CYCLOPS. A Fine Rock Garden Plant

DIANTHUS OR PINKS

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming perfectly until fall.

Sweet Wivelsfield. This new annual is a hybrid, being a cross between Dianthus Allwoodi and the Sweet William; seed started indoors in January and planted out in April will commence to flower in May, blooming all summer in a great variation of colors. **Pkt., 15c.**

DOUBLE ANNUAL

Fireball. Double brilliant scarlet. **Pkt., 10c; ½ oz., 40c.**

Snowball. Large double white. **Pkt., 10c; ½ oz., 40c.**

Laciniatus Double Mixed. Large double flowers, edges fringed; in a great variety of colors. **Pkt., 10c; ½ oz., 35c.**

Chinese Double. Mixed (China or Indian Pink). Blooms in clusters, flowers very double and bloom in a large range of bright colors. **Pkt., 5c; oz., 35c.**

SINGLE ANNUAL

These single sorts contain beautiful varieties, flowers often measuring 2 to 3 inches in diameter, and are very effective for borders or beds.

Nobilis (Single Mixed). A beautiful fringed variety. **Pkt., 10c; ½ oz., 35c.**

HARDY GARDEN PINKS

Large Flowering Grass or Spice Pinks. These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border.

Dianthus Plumarius Cyclops. Single perpetual, various colors with blood red eye. **Pkt., 10c; ¼ oz., 35c.**

Plumarius Single Mixed (Pheasant's Eye). **Pkt., 10c; ½ oz., 25c.**

Plumarius Double Mixed. **Pkt., 10c; ¼ oz., 50c.**

Allwoodi (New Perpetual-flowering Hardy Pinks). The seed which we offer comes to us direct from the introducer, a noted English specialist. They flower continuously from Spring until Autumn. Mixed colors. **Pkt., 25c.**

Caesius Gr. Fl. (Cheddar Pink). A splendid rock plant, forming dense tufts a few inches high and sweet scented bright rosy-pink flowers in May and June. **Pkt., 15c; ¼ oz., 50c.**

Latifolius. Double Scarlet. **Pkt., 10c; ¼ oz., 25c.**

Deltoides (Maiden Pink). Dwarf carmine rose. **Pkt., 15c.**

DICTAMNUS (Gas Plant)

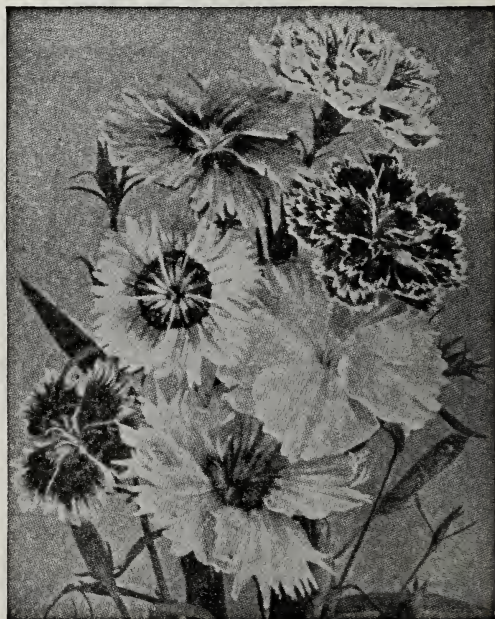
A very showy, hardy border perennial, forming a bush about 2½ feet in height, having fragrant foliage and spikes of curious flowers during June and July. Seed somewhat slow in germinating. **Mixed. Pkt., 15c.**

DIDISCUS

Coeruleus (Blue Lace Flower). 2 feet. An annual, blooming from July until frost; color, pale lavender; excellent for cutting. **Pkt., 10c; ¼ oz., 25c.**

DIGITALIS (Foxglove)

Handsome and highly ornamental hardy plants of stately growth, succeeding under almost all conditions, and with but little attention will give a wealth of flowers during June and July. They are now used extensively with good effect for naturalizing in shrubberies, the edge of woods and other half shady places; 3 to 5 feet. **Giant Mixed. Pkt., 10c; ½ oz., 30c.**



Dianthus or Pinks

DIMORPHOTHECA (African Golden Daisy)

An extremely showy annual daisy from South Africa, which suits our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. Seed may be sown in the same way as Asters or Petunias, and should have a dry, sunny position. They bloom the greater part of the summer and fall.

	¼ Oz. Pkt.	
Aurantiaca , Golden West.....	\$0.30	\$0.10
Aurantiaca , Improved, Orange.....	.30	.10
Aurantiaca , Salmon Beauty.....	.30	.10
Aurantiaca , Mixed.....	.30	.10

Ringens. This is a new form of *Dimorphotheca* or Veldt Daisy, recently introduced from South Africa. The individual flowers are large pure white on the inside with a very conspicuous blue ring around the center or eye of the flower. **Pkt., 15c; ½ oz., 35c.**

DOLICHOS (Hyacinth Bean)

A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in beds where they are to remain. 10 feet.

White. Pkt., 5c; oz., 15c.

Purple. Beautiful purple. Pkt., 5c; oz., 15c.

Mixed Colors. Pkt., 5c; oz., 15c.

Lignosis (Australian Pea Vine). A rapid growing, ever green climber, flowering freely in clusters of rose pea-shaped flowers. **Pkt., 10c; ½ oz., 40c.**

DRACAENA (Indivisa) (Dragon Plant)

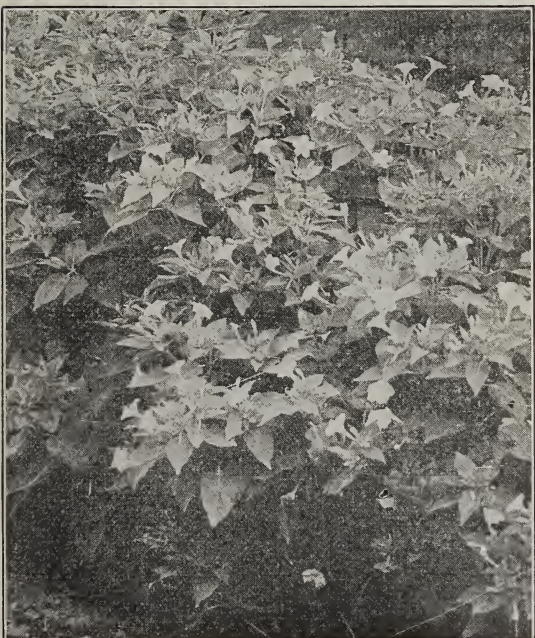
Beautiful ornamental-leaved plants; long, narrow green foliage; indispensable for vase and house decorations. **Pkt., 10c; ½ oz., 30c.**

ECHINOPS (Globe Thistle)

Ritro. Striking hardy perennial plants, with handsome silvery thistle-like foliage and fine steel-blue flowers in round heads, which can be used for cutting. Excellent for the back of the hardy border among other tall plants; 3 to 5 feet. **Pkt., 10c; ½ oz., 30c.**

ERYSIMUM

Perofskianum. This annual Border Plant is one of the sweetest scented annuals in cultivation. It is a beautiful orange yellow. 3 feet. **Pkt., 10c; ½ oz., 25c.**



Four O'Clock, or Marvel of Peru



Dimorphotheca Ringens

ESCHSCHOLTZIA (California Poppies)

Beautiful and popular annuals, being of the easiest culture and giving great satisfaction. From Spring-sown seeds they flower profusely until late in the Autumn, making them valuable bedding plants.

	½ Oz. Pkt.	
Californica. Bright yellow.....	\$0.25	\$0.10
Carmine King. Carmine-rose.....	.25	.10
Purple Glow.....	.25	.10
Mixed, Pkt., 5c; 1 oz., 25c.		

1 Pkt. each 3 varieties, 25c.

EUPHORBIA (Poinsettia)

Variegata (Snow-on-the-Mountain). Is very popular. Green foliage, veined and margined white; 2 to 4 feet; annual. **Pkt., 10c; ½ oz., 25c.**

Heterophylla (Mexican Fire Plant or Fire-on-the-Mountain). An annual, resembling the beautiful hothouse poinsettia in habit and color. About 3 feet. **Pkt., 10c; ½ oz., 40c.**

EVERLASTING OR STRAWFLOWERS

These should be grown in every garden, not only for summer blooming, but also as dried cut flowers for winter decoration. Mixed colors. **Pkt., 10c; ½ oz., 25c.**

FERNS

A beautiful plant used for foliage, bouquets, etc. Are a favorite everywhere and are very easily grown. Sow seed in rich loam.

	Pkt.
Fine Mixed. Greenhouse species.....	\$0.20
Hardy. Species for outdoor.....	.20

FEVERFEW (Matricaria)

An old garden favorite. This is the hardy annual Feverfew. Elegant for cutting.

Double White. About 2 feet. **Pkt., 10c; ½ oz., 25c**

Golden Ball. Beautiful yellow. **Pkt., 15c; ½ oz., 35c.**

FOUR O'CLOCKS

Four O'Clocks, or Marvel of Peru. This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Annual. 2 feet. **Pkt., 5c; oz., 15c; ¼ lb., 45c.**

Foxglove. See *Digitalis*, page 58.

FORGET-ME-NOT (*Myosotis*)

These dainty elegant little flowers are hardy perennials, if given slight protection through the winter, that love cool, moist soil, and like pansies, bloom most freely in the Fall and Early Spring.

Robusta Grandiflora. This Forget-me-not plant is of compact habit with glossy dark green foliage. **Pkt., 10c; ¼ oz., 50c.**

Palustris Semperflorens. An ever-blooming variety beginning in May and continuing till Autumn. An excellent variety for Rock Garden. Large, clear, blue. **Pkt., 15c; ⅛ oz., 40c.**

Indigo Blue. Early and free-flowering, with the deepest indigo-blue flowers produced on long sprays which are excellent for cutting; 9 inches. **Pkt., 10c; ¼ oz., 50c.**

Oblongata Perfecta. A very fine variety for forcing. Long stems, deep blue flower. **Pkt., 10c; ¼ oz., 50c.**

Victoria Rose. Dwarf. **Pkt., 15c; ⅛ oz., 35c.**

Victoria Blue Dwarf. Bright azure blue. Very early. **Pkt., 15c; ⅛ oz., 35c.**

Mixed. A pretty trailer. **Pkt., 10c; ¼ oz., 40c.**
1 Pkt. each 6 varieties, 50c.

FUCHSIA (Eardrops)

Finest Mixed. This elegant pot variety is one of our showiest plants. **Pkt., 25c.**



Forget-Me-Not

GAILLARDIA

(Blanket Flower) Annual Varieties

Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders, or for cutting; should be sown where they are to bloom; 1½ feet.

Sow seed outdoors early in Spring; cover one-fourth inch deep. Make rows eighteen inches apart and thin eight to ten inches apart in the row.

Annual Double. A splendid variety of mixed colors. **Pkt., 10c; ½ oz., 25c.**

Annual Single, Mixed. Highly colored as the Perennial. **Pkt., 10c; ½ oz., 25c.**

HARDY PERENNIAL GAILLARDIA

Grandiflora. Showy garden plants for beds or borders, producing from early summer until fall, gaily colored single flowers of scarlet and orange. The flowers should be kept picked to insure a continuance of bloom. Hardy perennial but blooms the first year from early sown seed. 2 to 2½ feet.

Gr. Fl. Portola Hybrids. Flowers of immense size; shades of bronzy red with golden tipped petals. **Pkt., 15c; ¼ oz., 50c.**

Gr. Fl. Dazzler. Large, dull red flowers. **Pkt., 10c; ¼ oz., 50c.**

Gr. Fl. Oculata. Light shades with red center. **Pkt., 10c; ½ oz., 50c.**

Gr. Fl. Compacta Mixed. **Pkt., 10c; ½ oz., 40c.**
1 Pkt. each of 4 above varieties, 35c.

GAILLARDIA PLANTS

Ready April 15th to May 10th

Grandiflora Hybrids. Each, 20c; Doz., \$2.25.

GERANIUMS

These grow readily from seed and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed.

Zonale, Mixed. **Pkt., 10c; ¼ oz., 50c.**

Apple Scented. Highly esteemed on account of its fern-like fragrant foliage; 1 foot. **Pkt., 25c.**

GERBERA (Transvaal Daisy)

Jamesoni Hybrida. Splendid green-house perennials with large daisy-like flowers; fine for pot plants or for cutting. These hybrids include many brilliant colors and shades. **Pkt., 25c.**



Gaillardia

GEUM

Beautiful hardy perennials, bearing a profusion of large, showy double flowers the entire summer.

Lady Stratheden (Golden Ball). It is a counterpart of the popular scarlet variety Mrs. Bradshaw, only the blooms are a rich golden yellow. Pkt., 15c; ½ oz., 35c.

Mrs. Bradshaw. Double. The orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. 2 feet. June-September. Pkt., 15c; ¼ oz., 50c.

GILIA

Capitata Blue. Gilia is attractive and graceful, with small round flower-heads borne profusely on plants 15 to 24 inches tall. The plants begin blooming in 10 to 12 weeks after sowing. Very free flowering. Blooms for many weeks and is excellent for cutting. Of easiest culture and very showy. Pkt., 10c; ½ oz., 30c.

GLOXINIA

Gloxinias are most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended.

Giant Hybrids, Mixed. Pkt., 25c.

GODETIA (Annual)

The flowers are of handsome shape, in the most brilliant as well as delicate colors, and are produced in marvelous profusion. It thrives well in a shady situation. Of easiest culture. 1½ feet. Mixed. Pkt., 10c; ½ oz., 30c.

Dwarf. Double Pink. Excellent for pots. Pkt., 10c; ¼ oz., 25c.

GOURDS—ORNAMENTAL

They attain the remarkable growth of from 10 to 20 feet in height and are grown extensively for household as well as ornamental purposes.

- Pkt.
Dipper. Useful for many household purposes...\$0.05
Dish Cloth. Sponge-like, porous lining is dried and used in the bath or for dish cloth..... .05
Hercules' Club. The longest of any..... .05
Japanese Nest Egg. Resembles hen's eggs..... .05
Pipe Calabash. The stem ends of the fruits are much used in making pipes..... .05
Sugar Trough. Very light, but durable..... .05
Small Varieties, Mixed. 1 oz., 25c..... .05



Gloxinia



Geum

GOMPHRENA

Also called "Bachelor's Buttons"; a showy annual, everlasting; flowers resembles clover heads and when dried are used for winter bouquets; fine for bedding. 1 foot.

	½ Oz.	Pkt.
Pink.....	\$0.25	\$0.10
Purple.....	.25	.10
Mixed.....	.25	.10

GRASSES—ORNAMENTAL

For large beds or groups on lawns used in many of the finest public parks, etc.

	Pkt.
Briza Maxima. Quaking grass. Annual. 1½ foot.....	\$0.10
Coix Lachryma (Job's Tears). 2 ft.; annual...	.10
Gynierium Argenteum (Pampas Grass). Most noble grass in cultivation. 6 ft.; perennial....	.10
Lagurus Ovatus (Hare's Tail Grass). Bushy and puffy; annual. 1 ft.....	.10
Eulalia Zebrina (Zebra Grass). Light green, barred with creamy white; hardy.....	.10
Pennisetum Rueppelianum. Purple fountain grass. 3 feet.....	.10
Stipa Pinnata (Feathered Grass). Hardy. 2 to 3 feet.....	.10
All Colors, Mixed. ¼ oz., 25c.....	.10

1 Pkt. each 7 varieties, 50c.

GREVILLEA (Silk Oak)

Robusta. A very beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration. Pkt., 10c; ¼ oz., 30c.



Heliotrope

GYPSOPHILA

Gypsophilas are valuable for bouquet-making, either green or dried. They are very graceful.

Paris Market. White. Annual. Pkt., 10c; oz., 30c.

Rose Elegans. Rose. Annual. Pkt., 10c; oz., 30c.

Paniculata (Baby's Breath). Flowers white. It blooms first year if sown early. Hardy perennial. Pkt., 10c; ½ oz., 30c.

Paniculata, Fl. Pl. The double flowering Baby's Breath. Hardy. Pkt., 15c; ½ oz., 50c.

Repens Mixed. Dwarf Baby's Breath. Splendid in rockery. Perennial; 6 inches. Pkt., 10c; ½ oz., 50c.

HELIANTHEMUM (Rock or Sun Rose)

Mixed. An excellent dwarf creeping perennial for dry soils. Flowers in rose, pink, and white during May and June. Hardy and free blooming, but should be sown right out in the open where to bloom. Pkt., 10c; ¼ oz., 40c.

HELICHRYSUM (Strawflower)

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosus type. 2 to 2½ feet.

	½ Oz.	Pkt.
Canary Yellow.....	\$0.35	\$0.10
Fireball—Crimson.....	.35	.10
Salmon Pink.....	.35	.10
Silver Ball—White.....	.35	.10
Violet Queen.....	.35	.10
Golden Ball—Golden Yellow.....	.35	.10
Carmine Rose.....	.35	.10
Mixed.....	.35	.10

1 Pkt. each 7 varieties, 50c.

HELIOPSIS

(Orange Sunflower)

Lemoine Strain. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season, and continuing the entire summer. The semi-double flowers are of a beautiful deep golden-yellow color about 2 inches in diameter and very graceful for cutting. Pkt., 15c.

HELIOTROPE

This fragrant plant has an individual charm all its own. Its somber green foliage and large clusters of dark blue to deep violet flowers lend themselves in the border to pleasant contrasts with the more vivid leaves and flowers of most other plants.

St. L. S. Co.'s Giant Mixed. Deliciously fragrant flowering plants, growing about 18 inches high; great favorites for pot culture. Pkt., 10c; ¼ oz., 50c.

Queen Margaret. Beautiful deep blue. Pkt., 10c; ⅛ oz., 30c.

HEUCHERA

Sanguinea Splendens. Dwarf, compact plants with numerous flower-spikes held above the foliage on graceful, slender stems. The flowers are rich crimson. Blooms profusely from late May until July. Grows about 12 inches tall, and is excellent for cutting. Perennial. Pkt., 15c.

HIBISCUS (Marshmallow)

Mallow Marvel. A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture. 4 ft. Pkt., 10c; ½ oz., 35c.

HONESTY (Moonwort)

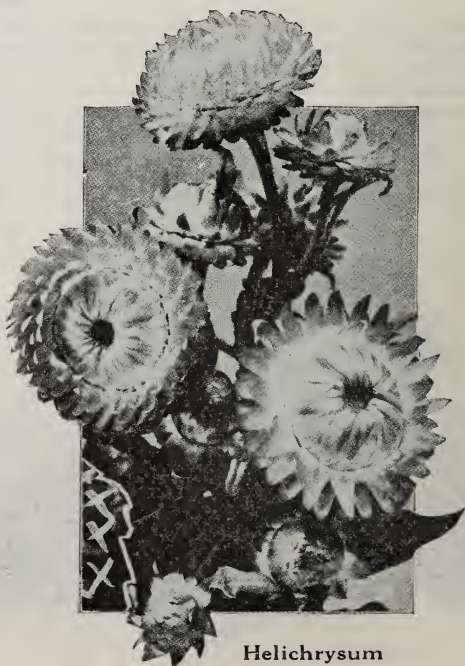
Biennis Alba. Hardy biennial admired for its silvery seed pods which are used for ornamental purposes; beautiful and curious; 3 to 4 feet. Pkt., 10c; ¼ oz., 30c.

HOP

Japanese Variegated. Rapid Summer climber, in three or four weeks time attaining a height of 20 to 30 feet; annual. Pkt., 10c; ½ oz., 25c.

HUNNEMANIA

Fumariaefolia. The plants grow into a shrubby bush 1½ ft. high and produce large cup-shaped flowers; annual. Yellow. Pkt., 10c; ¼ oz., 25c.



Helichrysum

HOLLYHOCKS

(5 to 7 ft. high, Hardy)

For a background to a flower garden nothing is better than the improved strains we offer of this tall old-fashioned garden perennial. The large, richly colored blossoms about three inches across, ranging from deep yellow and red to pure white, are set as rosettes around the strong growing flower stalks.

Sow seed in June or July, in open ground and in the autumn transplant to permanent position two or three feet apart. The following summer they will bloom.

"Imperator". This splendid Hollyhock bears flowers 5½ to 6½ inches across, consisting of wide outer petals elegantly frilled and deeply fringed, in the center of which appears a very double rosette about 2 inches across. **Giant Mixed.** Pkt., 25c; ¼ oz., 40c.

Chater's Superb Double. An extra fine strain. The plants are hardy and large, robust growers.

White.....	\$0.10	Deep Rose.....	\$0.10
Crimson.....	.10	Salmon Pink.....	.10
Yellow.....	.10	Maroon.....	.10

Mixed, ¼ oz., 40c; Pkt., 10c.

1 Pkt. each 6 varieties, 45c.

Newport Pink. One of recent introductions, and awarded a Certificate of Merit by the Royal Horticultural Society of England, an unusual honor. It is the finest pure pink, double variety, exquisite in shade, flowers very double. Pkt., 10c.

Single Mixed. Flowers mammoth in size, fringed pink to deep red in color. Pkt., 10c; ½ oz., 40c.

HOLLYHOCKS

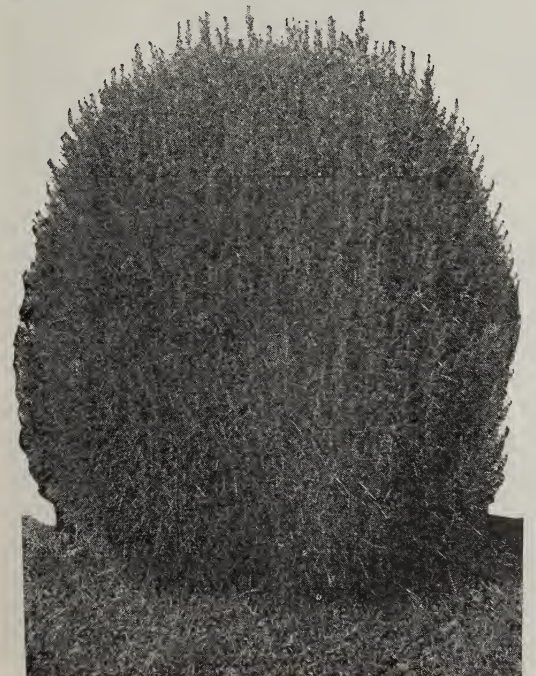
ANNUAL EVER-BLOOMING

While these are also hardy perennial varieties if seed is sown early in spring they will bloom the first season.

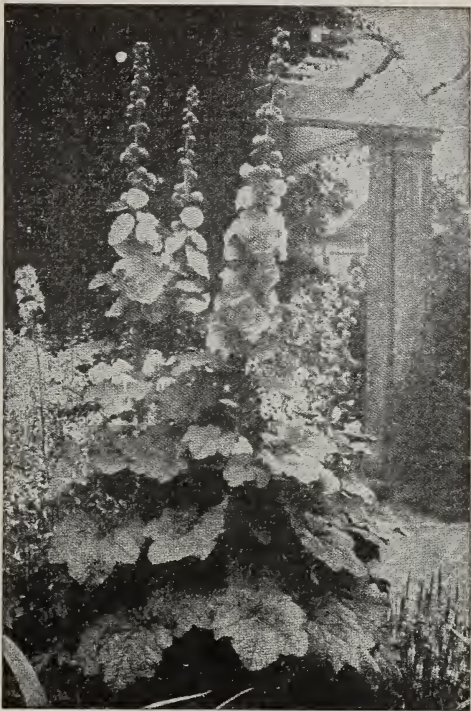
Double Ever-Blooming Mixed. Pkt., 10c; ½ oz., 50c.

ICE PLANT

Handsome and curious plant for hanging baskets, rock work, vases and edgings. Trailer. Pkt., 10c; ¼ oz., 25c.



Kochia



Hollyhock

IMPATIENS SULTANA
(HYBRIDS)

The Zanzibar, or Sultan's Balsam. Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. Mixed. 1½ ft. Pkt., 15c.

KOCHIA (Burning Bush)

An easily grown foliage or hedge plant which makes a very rapid growth and presents an extremely symmetrical and attractive appearance. Is a mass of moss-like foliage which retains its clean, bright green color until heavy frost. Turns to dull bronze red after heavy frost and blends with the colors of autumn. Hardy annual about three and one-half feet high. "Mexican Fire Plant." Pkt., 5c; ½ oz., 20c.

KUDZU VINE

A twining vine of remarkably rapid growth, hardy foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. Pkt., 10c; oz., 35c.

LANTANA

Hybrida, Dwarf Mixed. Of dwarf growth, they will be found a great improvement upon the older sort, and a splendid acquisition to our list of window and garden flowers; 1 ft. Pkt., 10c; ¼ oz., 30c.

LAVATERA (Annual Mallow)

Rosea Splendens. A very beautiful and showy annual, growing about two feet high and covered during the entire Summer with large cup-shaped shrimp-pink flowers. Pkt., 10c; ½ oz., 25c.

LAVENDER (Lavendula Vera)

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers: excellent for the mixed border; 18 inches. Pkt., 10c.

LARKSPUR (Annual)**Hardy Larkspur. See Delphinium**

This is one of the best-known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds or lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. They stand well when cut and a vase of one of mixed colors is indeed charming. 3 to 4 feet.

NEW GIANT IMPERIAL BRANCHING

As the base branching habit of this group of Larkspurs is identical with the base branching habit of Giant Imperial Stock. These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plant. This group really originated with the introduction of Exquisite Pink Improved and Exquisite Rose, both of which received an "Award of Merit" from the Royal Horticultural Society in 1929.

Blue Spire. Deep oxford blue. Pkt., 15c; ¼ oz., 50c.

Carmine King. Deep carmine rose. Pkt., 15c; ¼ oz., 50c.

Exquisite Pink Improved. A charming soft pink. Pkt., 15c; ¼ oz., 40c.

Exquisite Rose. Similar in every way to Exquisite Pink Improved, but of a rich deep rose color, a lovely shade. Pkt., 15c; ¼ oz., 40c.

Gloria (New). A rich tone of deep rose with no trace of carmine. Gloria will satisfy the desire of those who want a deeper shade of rose than Exquisite Rose. Pkt., 15c; ¼ oz., 75c.

Lilac Spire. Lilac Spire is the beautiful lilac color so popular in Larkspurs. Pkt., 15c; ¼ oz., 50c.

Miss California. Deep pink shaded salmon. Pkt., 15c; ¼ oz., 50c.

Peach Blossom (New). A very delicate clear tone of light pink. Pkt., 15c; ¼ oz., 75c.

White Spire. This variety is twice as white as any other white larkspur. Pkt., 15c; ¼ oz., 50c.

Empress Rose. A rich pink changing to hermosa pink. It is everblooming. 6 feet. Pkt., 15c; ¼ oz., 50c.

Giant Imperial Mixed. Pkt., 15c; ¼ oz., 35c.

DOUBLE STOCK FLOWERING TALL

A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously.

	Pkt.		Pkt.
Dark Blue.....	\$0.10	White.....	\$0.10
Rose.....	.10	Rosy Scarlet.....	.10
Lustrous Carmine .10		LaFrance Pink . . .	.10
Lilac.....	.10	Sky Blue.....	.10
Mixed. Double flowering. Pkt., 10c; ½ oz., 35c.			
1 Pkt. each, 8 varieties .....			.60

GIANT HYACINTH FLOWERED LARKSPUR

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 3 feet. Mixed Colors. Pkt., 10c; ½ oz., 40c.



Larkspur Emperor Dwarf Branching

LARKSPUR DWARF ROCKET

Dwarf Rocket Mixed. 2 ft. Pkt., 10c; ½ oz., 35c.

LARKSPUR

Emperor Dwarf Branching Double Stock Flowered About twenty-four inches high. Produces an abundance of long, slender spikes in the most delicate colors. Mixed. Pkt., 15c; ¼ oz., 35c.

LEMON VERBENA

The seed of this grand old favorite is very scarce. The leaves are delightfully fragrant and refreshing. Start indoors. Pkt., 15c.

LEPTOSIPHON

A most attractive free-blooming border plant. An easily grown annual, growing from 8 to 10 inches tall. It is suited for sunny places in borders, small beds, or can be grown as a pot-plant. The blooms appear 8 to 10 weeks after planting. They come in various shades of cream, yellow, orange, carmine, brown, lilac, and purple. We are sure that all who plant this will like it very much. Hybridus, Pkt., 10c; ½ oz., 40c.

LIATRIS (Blazing Star)

Mixed. A showy hardy perennial border plant, with large spikes of Rosy and violet purple flowers; 2 feet. **Pkt., 10c.**

LILY REGALE

(Lillium Myriophyllum)

Perfectly hardy and also excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. **Pkt., 15c; 1/4 oz., 35c.**

LINARIA

This interesting species bears flowers which resemble miniature Snapdragons terminating in single elongated spurs, which are little known but worthy of greater attention.

Cymbalaria (Kenilworth Ivy). A pretty perennial of trailing habit that can be treated as an annual. Sow the seed in hotbed in March. Flowers are bright lilac with a yellow throat. Very good for rock garden. **Pkt., 15c.**

LINUM

Scarlet Flax. One of the most effective and showy bedding plants of long duration, with brilliant scarlet-crimson flowers. Annual. 15 inches. **Pkt., 10c; 1/2 oz., 25c.**

Perenne. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers all summer. **Pkt., 10c; 1/2 oz., 40c.**



Lupinus

LOBELIA

The annual Lobelias are plants of dwarf, compact growth, 4 to 6 inches in height, covered with numerous small, star-like flowers. Very pretty when grown as an edging for flower beds, also for hanging baskets and vases.

Crystal Palace Compacta. Large, and deep blue flowers and bronzy foliage; 4 inches. **Pkt., 10c; 1/8 oz., 40c.**

Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. **Pkt., 10c; 1/8 oz., 40c.**

Sapphire. Trailing Lobelias are also coming much into demand. This variety is of remarkable strong growth and is called Sapphire, as the flowers show the wonderful deep blue of this gem. **Pkt., 15c; 1/8 oz., 50c.**

Cardinalis. Rich crimson flowers on fine long stems 2 to 4 feet tall. Blooms in June. Delights in moist soil. Hardy. **Pkt., 25c.**

LUPINUS (Lupine)

Annual sorts. Free flowering, easily grown, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade; 2 feet.

Texas Blue Bonnet. **Pkt., 10c; 1/2 oz., 30c.**

Yellow. Canary. **Pkt., 10c; 1/2 oz., 30c.**

HARTWEGII VARIETIES

	1/2 Oz.	Pkt.
Dark Blue.....	\$0.25	\$0.10
White.....	.25	.10
Sky Blue.....	.25	.10
Roseus.....	.25	.10
Mixed.....	.25	.10

1 Pkt. each 4 varieties, 30c.

PERENNIAL VARIETIES

A beautiful perennial of easy culture, with graceful spikes of pea-shaped flowers; excellent for cutting, 2 1/2 to 3 feet.

	1/2 Oz.	Pkt.
Blue.....	\$0.25	\$0.10
Rose.....	.35	.10
White.....	.25	.10
Mixed.....	.25	.10

1 Pkt. each 3 varieties, 25..

LYCHNIS (Burning Star)

Hybrida Mixed. Grand hardy perennials. White rose, vermillion, useful for beds and borders; 18 inches. **Pkt., 10c.**

Calcedonica (Jerusalem Cross.) 3 feet. June to August. Flowers which are of the most fiery red imaginable appear in cluster, each individual blossom forming a maltese cross. Will bloom from seed the first year. **Pkt., 10c.**

LYTHRUM (Loose-Strife)

Roseum. A fine hardy perennial, producing spikes of rosy-pink flowers, July to Sept.; 3 feet. **Pkt., 10c.**

MALOPE (Mallow-Wort)

2 feet. Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

Gr. Fl., Mixed. **Pkt., 10c; 1/2 oz., 30c.**

MARIGOLDS

The African and French Marigolds are old favorite free-flowering annuals of easy culture both are extremely effective and are well adapted for large beds or mixed borders; they succeed best in a light soil, with full exposure to the sun. A vase or bowl of any of the rich yellow sorts, in combination with a few blue Larkspur or Cornflowers, is very striking.

NEW AFRICAN MARIGOLD

Orange All-Double. A new type of all double Marigold of the old favorite free flowering annual with their rich and showy flowers blooming all summer. Our New All-Double is the largest all double variety, flowers are the same color as Orange Prince. 3 feet. **Pkt., 25c; 1/8 oz., 40c.**

Lemon All-Double (New). Stately border type with very large globular flowers composed of compact masses of tubular or quilled petals. Splendid stems for cutting. 3 feet. **Pkt., 25c; 1/8 oz., 40c.**

DWARF DOUBLE FRENCH MARIGOLDS

Few annuals are as effective as the French Marigolds or flower for so long a period; they all form dense bushes not over 12 inches high, and are unequalled for borders or beds.

Golden Ball. A splendid pure golden yellow, flowers of good size and makes a very effective golden line or bed. **Pkt., 10c; 1/2 oz., 35c.**

French Mixed. A splendid mixture saved from fine double flowers; all colors. **Pkt., 10c; 1/2 oz., 35c.**

DWARF SINGLE FRENCH MARIGOLD

Legion of Honor. (Little Brownie) A single-flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. The flowers are golden yellow, marked with a large spot of velvety crimson at the base of each petal. **Pkt., 10c; 1/2 oz., 35c.**



DOUBLE AFRICAN MARIGOLDS

Splendid for beds or borders; about 3 feet high.

Lemon Queen. Tall growing plants bearing large, double flowers. Petals quilled. Color soft lemon yellow; **Pkt., 10c; 1/2 oz., 40c.**

Orange Prince. The same type of plant and flower as Lemon Queen, but color is rich, deep orange. **Pkt., 10c; 1/2 oz., 40c.**

El Dorado. Double Tall. Flowers about three inches in diameter. **Pkt., 10c; 1/2 oz., 35c.**

Double Tall, Mixed. A tall mixture well adapted for large beds. **Pkt., 10c; 1/2 oz., 35c.**

1 Pkt., each 3 varieties, 25c.



Marigold Dwarf French Double Mixed

MATTHIOLA

Bicornis (Evening Scented Stock). A desirable annual on account of its delightful fragrance during the evening; color, purplish lilac. $1\frac{1}{2}$ feet. **Pkt., 10c; $\frac{1}{2}$ oz., 25c.**

MAURANDIA

Mixed. A climber of rapid growth for greenhouse; excellent for baskets, vases or trellises; tube-shaped flowers. **Pkt., 15c; $\frac{1}{8}$ oz., 50c.**

MECONOPSIS (Blue Poppy)

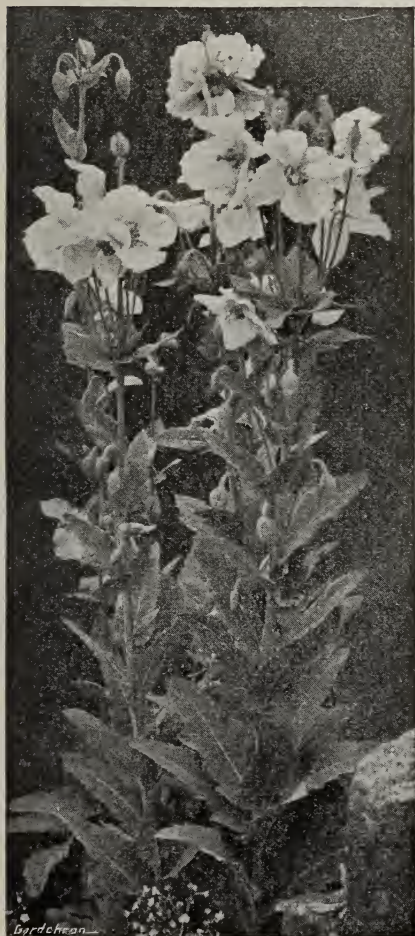
Baileyi. A beautiful new perennial species, bearing an irregular cyme of nodding flowers of a most glorious shade of sky blue; a ring of golden anthers adds to the beauty of the bloom. 2 to 3 feet. **Pkt., 25c.**

MESEMBRIANTHEMUM

Tricolor. A lovely little annual; splendid for the rockery, sunny banks, etc., with daisy-like flowers of crimson, pink and white. 6 inches. **Pkt., 15c; $\frac{1}{4}$ oz., 35c.**

MIGNONETTE (Reseda)

A well known hardy annual producing dense cone-shaped flower-spikes, made up of thickly set florets of modest colors. It is often used for cutting to combine in bouquets with other more pretentious flowers lacks its delicate and pleasing fragrance. Thrives best in a cool temperature. Hardy annual.

**Mignonette****Meconopsis**

Allen's Defiance. Will throw flower stalks of a foot in length, delicious fragrance. 12 to 15 inches. **Pkt., 10c; $\frac{1}{2}$ oz., 35c.**

Golden Machet. Distinct variety of Machet, with massive spikes of golden-yellow blossoms; 1 ft. **Pkt., 10c; $\frac{1}{2}$ oz., 35c.**

Red Goliath. The spikes of flowers are immense, measuring 6 to 8 inches long, $2\frac{1}{2}$ inches in diameter; 1 ft. **Pkt., 10c; $\frac{1}{4}$ oz., 30c.**

New York Market. Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored. **Pkt., 15c; $\frac{1}{4}$ oz., 50c.**

Large Flowering. Mixed. **Pkt., 10c; 1 oz., 35c.**
1 Pkt. each of 4 varieties, 30c.

Marvel of Peru. See Four O'Clock on Page 59.

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half-hardy perennials.

Moschatus (Musk Plant). Fine for hanging baskets, etc. Small yellow flowers, fragrant foliage. 6 inches. **Pkt., 10c.**

Tigrinus (Monkey Flower). Fine mixed spotted; 1 ft. **Pkt., 10c.**

MINA LOBATA

A valuable Mexican climber which will flower late in the season in a northern latitude but is of luxuriant growth in a milder climate. The vine is clothed with large heart-shaped leaves deeply lobed and bears many handsome floral sprays in pairs. The tubular flowers with their projecting stamens are strung in a single graduated row along each individual stem. The buds are scarlet and as the blossoms expand they turn through brilliant orange to primrose. Crop failed.

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses. Annual. 3 feet.

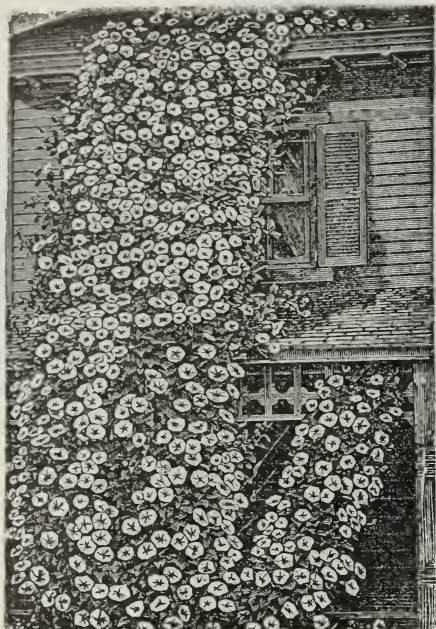
Didyma. Crop failed.

MOON FLOWER (Ipomoea)

White, Large Flowering. One of the most vigorous summer climbers and will grow under favorable conditions thirty to forty feet in a single season and be covered evenings and cloudy days with very large, white trumpet-shaped flowers widely extended. Seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell. **Pkt., 10c; oz., 35c.**

Blue Bona Nox. (Evening Glory). Violet. **Pkt., 10c; oz., 35c.**

Giant Pink. The soft lilac-pink. **Pkt., 10c; oz., 35c.**



NASTURTIIUMS

Nasturtiums are among the best known and most popular of hardy annuals. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

NEW DOUBLE NASTURTIIUM

Golden Gleam. A new novelty of semi-double golden yellow Nasturtium, introduced the past year by Bodger of California. This variety has received great merit wherever grown and where flowers have been placed for exhibition. Plants are bushy, 2 feet high, with green foliage and golden yellow flowers. Pkt., 25c; $\frac{1}{2}$ oz., 50c.

SHAW'S GARDEN HYBRIDS

The prettiest strain of Dwarf Nasturtiums. There's really no comparison in the beauty and color of the flowers. Mixed, Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75.

Fine Dwarf Mixed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

DWARF OR TOM THUMB VARIETIES

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Beauty. Light scarlet, splashed canary.

Cloth or Gold. Rich scarlet.

Empress of India. Brilliant crimson; dark foliage.

King Theodore. A scarlet-maroon; dark foliage.

Golden King. Rich golden yellow.

King of Tom Thumb. Scarlet.

Pearl. Pure white.

Regelianum. Deep purplish crimson.

Pkt., each, 10c; 1 oz., 15c.

One package each of the above 8 varieties, 50c.

MORNING GLORIES

(Annual)

Imperial Japanese Fringed. Petals are of a large size and blotched with magnificent colorings of different shades and tints. Pkt., 10c; oz., 20c.

Rochester. Flowers 4 to 5 inches across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide band around the edges. Pkt., 10c; oz., 20c.

Setosa (Brazilian Morning Glory). Setosa is the botanical name of this magnificent Summer climbing annual. The flowers are of beautiful rose. Pkt., 10c; oz., 20c.

St. L. S. Co.'s New Japanese Giant. The flowers of this variety are of largest size, often five inches or more across; very odd shades. Pkt., 15c; oz., 50c.

Fine Mixed. All colors. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

NEMOPHILA

Splendid free flowering hardy annuals, of very neat compact habit. Flowers are cup-shaped, appearing in many brilliant colors, the blue shades being particularly striking. 6 inches. Pkt., 10c; oz., 30c.

TALL OR CLIMBING NASTURTIIUM

Elegant and luxurious climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect. The seedpods can be gathered while green and tender for pickling; 6 to 10 feet.

HYBRIDS OF MME. GUNTHER

Climbing about six feet and covered from Spring to Fall with large substantial flowers of the most brilliant shades. Mixed, Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.75.

Fine Mixed. Tall. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.25.



Nasturtium

NIEREMBERGIA

Frutescens. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. 1 foot. **Pkt., 10c; 1/8 oz., 30c.**

NEMESIA (Annual)

Compact, low growing plants producing an abundance of bright colored flowers of distinctive shape. The flowers are borne somewhat above the foliage and range in color from white through pale yellow and rose to orange and crimson.

Dwarf Mixed. A choice strain producing flowers of the largest size in rich and varied shades of color; 10 inches. **Pkt., 15c; 1/8 oz., 35c.**

NICOTIANA**(Ornamental Tobacco)**

A beautiful hardy annual, fine for its sweet-scented and ornamental leaves.

Affinis. An annual with sweet-scented, pure white star-shaped flowers. **Pkt., 10c; 1/2 oz., 30c.**

Sanderae. The entire bush being covered with large brilliant carmine red flowers. **Pkt., 10c; 1/2 oz., 35c.**

NIGELLA (Love in a Mist)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

Double Mixed. Compact, free-flowering plants. Blue and white shades; 18 inches. **Pkt., 10c; 1/2 oz., 25c.**

Double Blue. (Miss Jekyll). A lovely variety, with cornflower-blue blossoms; splendid for cutting; 18 inches. **Pkt., 10c; 1/2 oz., 25c.**

PENTSTEMON (Beard Tongue)

Beautiful perennials plant for the harder border. The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged. Height, 2 1/2 feet. **Mixed. Pkt., 15c; 1/8 oz., 40c.**

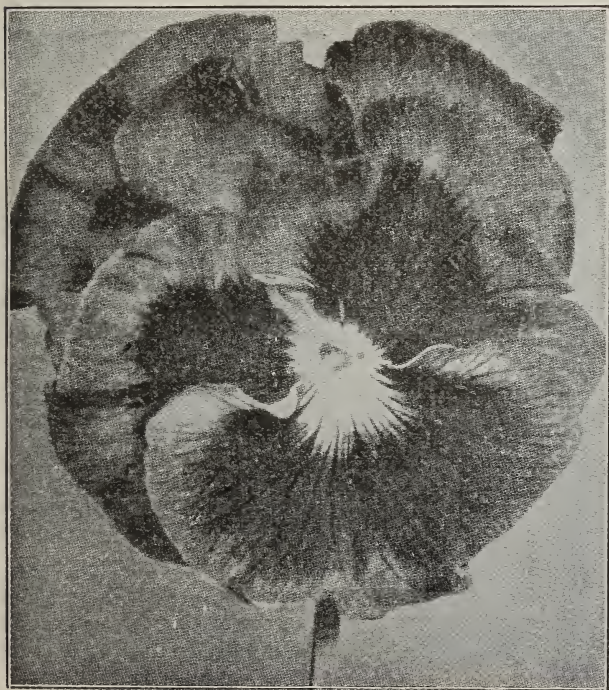


Nemesia

OENOTHERA (Evening Primrose)

Lamarckiana. They grow in branching form 1 foot in height and produce single poppy-like flowers of yellow color. **Annual. Pkt., 10c; 1/2 oz., 25c.**

Missouriensis. Large yellow flowers, often 5 inches in diameter, June till August; 12 inches. Hardy perennial. **Pkt., 15c; 1/8 oz., 50c.**

**ST. LOUIS SEED CO.'S
GIANT PANSIES**

Seed may be sown indoors very early in spring, or a little later in the open ground, transplanted when an inch high. Such plants will commence to bloom in June. If sown in July, the plants will bloom in the fall, or if sown in September, the following spring. Well pulverized soil should be used and the seeds covered one-eighth to one-fourth inch deep with fine soil firmly pressed down. The largest and best flowers are produced by young plants which have been grown rather slowly in a partially shaded situation, and in very rich soil; coolness and moisture are necessary. A situation sheltered from high winds and exposed to the morning sun is most favorable and frequent sprinklings are advantageous. Grown indoors pansies make a good winter blooming pot plant. Hardy perennial but usually grown as an annual or biennial.

Exhibition. This wonderful Giant Pansy we offer as our leader. The colorings of this pansy are mixed, there being no end to the numerous shades which nature has endowed upon this gigantic marvel, every petal being a veritable display of shades and coloring in itself. **Pkt., 25c; 1/8 oz., \$1.25.**

PANSIES (Continued)

Steele's Miracle Mixed. A vigorous Oregon grown type, particularly desirable for cutting as the plants are taller and have longer stems. A fine blend for bright effects. They offer a super mixture containing all the finest types, including ruffled flowers and many of our new sunburst pansies. **Pkt., 35c; ½ oz., \$1.50.**

Masterpiece. This grand Giant Pansy is remarkable in having the borders of the petals waved or frilled which gives the flower an almost double appearance. **Pkt., 15c; ½ oz., 75c.**

St. L. S. Co.'s "Nonpareil" Mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures. **Pkt., 20c; ½ oz., \$1.00.**

Imperial Giant Mixed. They embrace all the solid or self-colors delicately shaded, of various colors, dark and light marbled varieties, flowers with clear, distinct eyes. **Pkt., 15c; ½ oz., 75c.**

Trimardeau Giant Mixed. Extra large flowers, but not of such perfect form as the Imperial Giant. Most of the flowers have three large blotches or spots. **Pkt., 10c; ¼ oz., 50c.**

Fine Mixed. The flowers of this splendid mixture are of good size, very fine form and range of colors in the lighter shades. **Pkt., 5c; ½ oz., 35c.**

EARLY FLOWERING

Sweet Scented Mixed. This new race of Pansies promises to be an important introduction on account of the extreme hardness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, leaves or similar material, full-grown plants winter over in the open ground. **Pkt., 10c; ¼ oz., 60c.**



Steele's Mastodon Miracle Pansy

GIANT TRIMARDEAU PANSIES

We have discarded the ordinary Pansies in separate colors in favor of this type, which produces large very flowers, plants of strong robust growth, and well adapted to the trying conditions of our climate.

Separate Colors

	¼ Oz.	Pkt.
Giant Snowflake—White.....	\$0.50	\$0.10
Giant Faust—Black.....	.50	.10
Giant Lord Beaconfield—Blue and white.....	.50	.10
Giant Fire King—Golden yellow.....	.50	.10
Giant Emperor William—Azure blue.....	.50	.10
Giant Gold Elsie—Pure yellow.....	.50	.10

One each of the above 6 varieties for 40c.

Pansy Plants ready April 1st. Price 12 plants, \$1.00 (By Express Only).

TUFTED PANSIES, OR VIOLA CORNUTA

While the flowers of the Tufted Pansies or Violas are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produce flowering plants by June, and from then on until frost they are a sheet of bloom; 8 inches.

Few plants are of more general usefulness in the garden than the Viola Cornuta, and the good qualities possessed by these plants. This is the best edging plant for the hardy border or rock garden; when properly cared for, these plants remain in full bloom from May until October. The great secret of their continuous bloom, though, is the fact that they must be sheared several times during the season, so that the flowers do not go to seed.

½ Oz.	Pkt.	½ Oz.	Pkt.
Light Blue...	\$0.35 \$0.10	White.....	\$0.35 \$0.10
Dark Blue...	.35 .10	Violet.....	.65 .10
Yellow.....	.35 .10	Mixed.....	.35 .10

1 Pkt. each, 5 varieties, 40c



ST. LOUIS SEED CO.'S SELECTED PETUNIAS

Petunias are unsurpassed for massing in beds. They are also used along walks and driveways and are often grown in window boxes. Their richness of color, duration of bloom and culture will always make them popular. They endure drought exceptionally well. The seed we offer is the result of careful hybridization and can be depended upon to give results.

In some strains the flowers are very large, measuring four to five inches across; in others, they are deeply fringed; still others have star-like markings radiating from the throat and extending nearly or quite to the outer margin of the blossom; again, others have full, double flowers. The colors range from white to deep red-purple and are variously striped and blotched.

Plant the seed, which is exceedingly fine, in a warm, open, sunny place. Seeds may be sown directly in the open ground or for early results the plants may be started in cold frame, hot bed or in pots indoors, in a temperature averaging sixty to seventy degrees. Water with a fine spray and do not permit the seedlings to dry out. The plants are tender and should not be trusted in the open until danger of frost is over. Any good, friable garden soil, well pulverized and in good condition may be used, and the seed covered with about one-eighth to one-fourth inch of fine soil firmly pressed down. The rows should be two feet apart. Thin to eighteen inches apart. The plants begin to bloom when small and continue until cut off by frost.

Petunias may also be grown under glass in winter. The best method is to sow seeds late in summer and grow stocky plants in pots, but old plants can be lifted on the approach of cold weather, cut back and taken inside for winter bloom.

PETUNIAS DWARF OR BEDDING

These plants only grow about twelve inches high and while branching freely from the base they nevertheless remain quite compact.

Dwarf Giants of California. Extra large flowers, which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them have deep throats of various shades. Will prove of immense value for the laying out of flower beds and borders. **Pkt., 35c.**

Dwarf Fringed Rose. A beautiful fringed rose-colored dwarf bedding variety. Excellent for borders. **Pkt., 10c; 1/8 oz., 40c.**

Crimson. A beautiful deep red. Of compact growth, **Pkt., 10c; 1/8 oz., 40c.**

Rosy Morn. Compact in habit of plant but producing throughout the summer an abundance of clear rosy pink flowers with white throat. An excellent sort for borders, edgings or porch boxes. **Pkt., 10c; 1/8 oz., 40c.**

Rose of Heaven. Color rich brilliant rose, darker than Rosy Morn; a compact grower, very free blooming. **Pkt., 10c; 1/8 oz., 40c.**

Violet. A fine companion to Rosy Morn, same habit and freedom of bloom. Color steel blue. **Pkt., 10c; 1/8 oz., 40c.**

Snowball. A fine compact sort, producing its pure satiny white flowers throughout the entire season. **Pkt., 10c; 1/8 oz., 35c.**

1 Pkt. each of the above 7 varieties, 75c.

Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder. **Pkt., 10c; 1/4 oz., 50c.**

Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds. **Pkt., 10c; 1/4 oz., 50c.**



Petunia Dwarf Giants of California

GIANT PORTLAND PETUNIAS

For planting of veranda boxes and for choice potted plants or for bedding out these Petunias in select colors, never fail to please.

Theodosia. This is a very fascinating fringed Petunia. In comparison with Pink Triumph is a softer rose or pink, slightly larger with a more open throat and beautifully veined. It is a very robust plant and free flowering. The shade is very attractive. **Pkt., 15c.**

Pink Triumph. We consider Pink Triumph one of the best bright pink fringed Petunias on the market. It is robust in its growth, easy to grow from seed and comes quite true to type and color. **Pkt., 15c.**

Elk's Pride. Large size; deep royal purple. **Pkt., 15c.**

Pride of Portland. Large deep rose pink fringed flowers. **Pkt., 15c.**

Romany Lass. Flowers fringed; color, shading from cherry red to deep maroon. **Pkt., 15c.**
1 Pkt. each 5 varieties, 60c.

Mixed Colors, Pkt., 15c.

HALF DWARF PETUNIAS

All of the following are wonderfully effective in beds and borders. 18 inches high.

Howard's Star. A beautiful free-flowering strain, color crimson, maroon with a clearly defined five-pointed star of bluish white. **Pkt., 10c; 1/8 oz., 40c.**

Extra Choice Mixed. A very choice strain, made up from named large-flowering sorts. A very fine bedding variety. **Pkt., 10c; 1/4 oz., 60c.**

Fine Mixed. Good bright colors. **Pkt., 5c; 1/2 oz., 40c.**



Balcony Petunia Star of California

PETUNIAS

Giant Fringed and Ruffled

Giants of California. The richest colors, the largest flowers and the finest markings of all Petunias. Flowers of gigantic size, many of them measuring 5 inches in diameter and of an astonishing variety of colors. **Pkt., 15c.**

Ruffled Giants. Flowers of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting, giving the appearance as if artificially ruffled. **Pkt., 25c.**

BALCONY PETUNIAS

For parkway planting or solid beds in the garden these small flowered Petunias will give an unbroken display of color throughout the entire season. The flowers are small in size, but lavishly borne. This strain is also of great value for window box work, as the plants are not so compact in habit as those of the preceding class.

Star of California. A magnificent new variety, especially bred for window boxes and hanging baskets; color, velvety violet, with a touch of crimson, starred with five pure white blotches. **Pkt., 15c; 1/8 oz., 75c**

	1/8 Oz.	Pkt.
Balcony Blue.....	\$0.50	\$0.15
" Rose.....	.50	.15
" Crimson.....	.50	.15
" Mixed.....	.50	.15

1 Pkt. each 4 varieties, 45c.

DOUBLE PETUNIAS

We take great pride in offering our double Petunias. They have never been surpassed in beauty, size, form or color, if ever equaled. Selection in crossing every flower was made with the greatest care and thought, and the results are a surprise even to ourselves.

Double Flowering, Fringed Mixed. It is well-known that seed saved from the most carefully hybridized flowers produce but a small percentage of double flowers, the balance being single of unusually fine quality. **Pkt., 35c.**



Portland Fringed Petunias

PHLOX DRUMMONDI

It occupies a first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants. Unequalled in the magnificent display of their many and brilliantly colored flowers. The plants are hardy bush-like annuals with many broad, flat-topped clusters of nearly round and star-shaped flowers. They are of easiest culture and bloom profusely through a long season.

Seed is usually sown very early in spring outdoors in rows one foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used and the seed, which germinates rather slowly, covered with about one-fourth inch of fine soil firmly pressed down. Thin to four inches apart. For very early blooming, seed may be sown outdoors in fall, or started indoors and transplanted early in April. Hardy annual; one foot high.

	1/4 Oz.	Pkt.
Large Flowering—White.....	\$0.35	\$0.10
“ “ Scarlet.....	.35	.10
“ “ Shell Pink.....	.35	.10
“ “ Deep Rose.....	.35	.10
“ “ Dark Purple.....	.35	.10
“ “ Fiery Red.....	.35	.10
“ “ Violet Blue.....	.35	.10
“ “ Mixed.....	.35	.10

1 Pkt. each 7 varieties, 50c.

Starred and Fringed Mixed. Very odd and pretty effect. Pkt., 10c; 1/4 oz., 35c.

Fine Mixed. Bright, showy flowers. Good for cutting; 1 foot. Pkt., 5c; 1/2 oz., 40c.

PHLOX (Dwarf)

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. 6 inches.

	1/8 oz.	Pkt.
Fireball—A fine scarlet.....	\$0.35	\$0.10
Pink.....	.35	.10
Snowball—Pure White.....	.35	.10
Dwarf Mixed—All colors.....	.35	.10

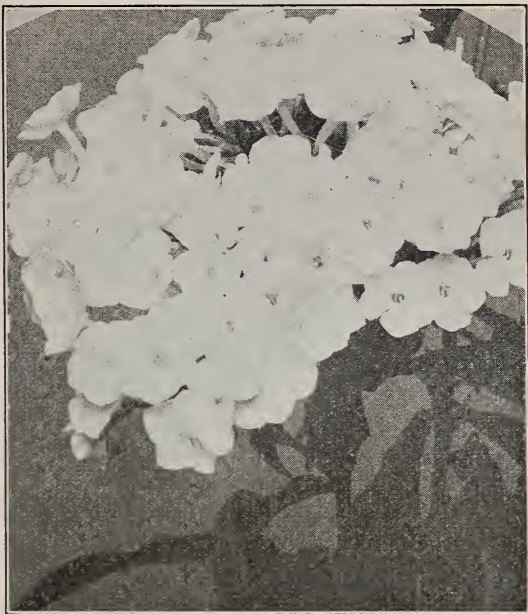
1 Pkt. each 3 varieties, 25c.

PHLOX (Hardy)

Decussata. 2 to 3 ft. June-October. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Pkt., 15c; 1/8 oz., 35c.



Physalis (Chinese Lantern Plant)



Phlox

PHYSALIS

Franchetti (Chinese Lantern Plant). 1 1/2 ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. Pkt., 10c; 1/4 oz., 30c.

PHYSOSTEGIA (Dragon Head)

Extremely beautiful with spikes of pink flowers, which are tube-shaped similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage surrounding the graceful spikes.

Virginica. Dense bushes with spikes of delicate pink tubular flowers. 3 ft. June-September. Pkt., 15c 1/8 oz., 65c.

PLATYCODON (Wahlenbergia)

Hardy perennials, bearing large, broad, bell-shaped blue flowers; very handsome for garden decoration.

Grandiflorum, Blue. 2 ft. Pkt., 10c; 1/4 oz., 50c.

POLEMONIUM (Jacob's Ladder)

Coeruleum. Popular hardy perennial border plant, with bell-shaped bluish-purple flowers nearly 1 inch across; 2 1/2 feet. May to July. Pkt., 10c; 1/4 oz., 30c.

PORTULACA

Sometimes called Moss Rose. Few flowers make such a dazzling display of color in the bright sunshine as a bed of portulacas. The glossy cup-shaped single flowers and rose-like double flowers, about one inch across, range through many shades of red, white, pink, orange, yellow, striped, etc. Plants low growing or creeping with thick, fleshy stems tinged with red and small quill-shaped leaves. Desirable also for edgings. They are in bloom through a long season. 6 inches.

Sow seed outdoors, after weather is warm and settled, where the plants are to stand in rows one foot apart.

Upright Double Mixed. (New). A fine novelty of upright, double flowers, because of its upright and compact habit, it is fine for borders and along driveways. Pkt., 15c; 1/4 oz., 75c.

Large Flowering Single Mixed. Pkt., 5c; 1/2 oz., 25c.

Double Fine Mixed. All colors mixed. Pkt., 10c; 1/4 oz., 50c.

POPPIES (Annual)

These well-known hardy annuals and perennials flower in great profusion throughout the summer. Both the single and double varieties are very desirable for bedding and borders. The flowers are remarkable for their large size, delicacy of tissue and wide range of bright dazzling colors.

As early in spring as ground can be worked sow the seed, which is quite small, where the flowers are to bloom as the annual varieties do not bear transplanting. Pulverized soil, preferably light sandy loam, should be used. Make rows fifteen inches apart and cover seed one-fourth inch deep. When two inches high, thin from six inches to one foot. To insure continuous bloom during a long season the flowers should be cut regularly and no seed pods allowed to form.

American Legion. This single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. 2 feet. **Pkt., 10c; ½ oz., 25c.**

Shirley-Mixed. This magnificent species sports to numberless shades of color, from pure white to rose pink, carmine and deepest crimson. 20 inches. **Pkt., 10c; ½ oz., 20c.**

Tulip Flowered Scarlet. Large, bright scarlet flowers. The two outer petals of the flower form a tulip cup. Strikingly beautiful. About 1½ feet. **Pkt., 10c; ½ oz., 35c.**

DOUBLE ANNUAL POPPIES

Double Shirley - Mixed. Beautiful hybrids with large double and semi-double flowers in a wonderful range of colors. **Pkt., 10c; ½ oz., 25c.**

Double Cardinal. Round as a ball, red as fire. The flowers are of very large size and finely fringed. In color it is a glowing cardinal scarlet. Height, 2 feet. **Pkt., 10c; ½ oz., 25c.**

Double Carnation Flowered. Large, showy flowers. 2 feet. Mixed. **Pkt., 5c; ½ oz., 20c.**



ICELAND POPPIES (Hardy Perennial)

El Monte. This new variety is a California introduction; very large flowers and comes true from seed; strong wiry stems for cutting. Deep tangerine. **Pkt., 15c; ½ oz., 40c.**

Iceland Mixed. While these are hardy perennials, they flower the first year from spring sown seed. They are of graceful habit, with fern-like foliage; the satin-like flowers are borne in endless profusion and are excellent for cutting. 1 foot. **Pkt., 10c; ¼ oz., 35c.**



Shirley Poppies

ORIENTAL POPPIES

Oriental Poppies should be sown in early spring in the open ground as soon as it is fit to work. The plants disappear during July and August, appearing again as soon as the weather gets cool. When this fall growth starts is the time they should be transplanted to their permanent flowering quarters. It is well to mark the places they are planted with a stake to insure the roots against disturbing during their annual resting period.

Dark Red. Extra large flowers. **Pkt., 10c; ½ oz., 40c**

Orange Scarlet. A charming summer-flowering hardy plant, producing numerous leafy stems about 3 feet high, with large orange scarlet flowers; having a conspicuous black blotch on each petal, exceedingly showy. **Pkt., 10c; ½ oz., 40c.**

Salmon Pink. Large flower; beautiful Salmony pink. **Pkt., 10c; ½ oz., 40c.**

Oriental Hybrids. Mixed. Saved from a large number of named sorts, embracing all of the colors. 2½ to 3 feet. **Pkt., 10c; ½ oz., 30c.**

POTENTILLA (Flowering Strawberry)

A beautiful border plant, flowers from yellow to bright red. Leaves resemble strawberry plants. An unexcelled plant for border neutralizing and rock work. Hardy; 20 inches. Double mixed. Pkt., 10c.

PRIMULA (Primrose)

Obconica Gigantea. Mixed. If sown early in the Spring the seedlings will commence to bloom in May or June. Pkt., 15c.

Malacoides. A fine house-plant; delicate lilac. Pkt., 15c.

Chinensis (Chinese Primrose). Our mixture includes all the choicest colors of the single flowering Primulas in all their dainty shadings. Pkt., 25c.

PRIMROSE—HARDY

Spring-blooming plants. With a slight protection they will stand the winter, but will do better if protected by a cold frame.

Auricula. The fragrant flowers of many rich colors are borne in clusters on the top of stalks. Pkt. 15c.

Polyanthus Veris. Cowslip. Fine for either pot or outdoor culture; hardy perennials; 12 inches. Pkt., 10c; 1/8 oz., 50c.

Vulgaris. True Yellow; 6 inches. Pkt., 15c; 1/8 oz., 65c.

PYRETHRUM (Feverfew)

Roseum Grandiflorum Single Mixed. Flowers of enormous size, ranging from light pink to deep carmine; hardy. 2 1/2 ft. Pkt., 10c; 1/4 oz., 40c.

Hybridum Double Mixed. Seed saved from the finest double flowers; only a small percentage can be expected to come double the first year; 2 feet. Pkt., 15c; 1/8 oz., 50c.

Aureum (Golden Feather). Yellow foliage. Hardy annual. 1 ft. Pkt., 10c; 1/2 oz., 30c.



Primrose Polyanthus



Ricinus

RHODANTHE (Everlasting)

Mixed. Fine for outdoor border, or for greenhouse flowering during the Winter. 1 ft. Pkt., 10c; 1/2 oz., 25c.

RICINUS (Caster Oil Bean)

Zanzibariensis. Surpasses all in size and beauty of colors, which include glaucous-green, coppery brown, metallic red; 8 to 10 ft. Pkt., 5c; oz., 15c; 1/4 lb., 50c.

Borboniensis Arboreus. The tallest of the Ricinus family, 10 to 15 ft. Pkt., 5c; oz., 15c; 1/4 lb., 50c.

Red Spire. An effective variety, with bronzy green foliage and rosy crimson seed spikes, 6 ft. Pkt., 10c; oz., 25c.

Gibsoni. Purplish leaves, 5 ft. Pkt., 5c; oz., 15c; 1/4 lb., 50c.

Mixed Sorts. Pkt., 5c; oz., 15c.

ROSEMARY (Rosmarinus)

Officinalis. An old favorite aromatic herb, delightfully fragrant, flowers light blue, grows about 2 ft. high, should be planted in a warm dry situation, and given a little protection. Pkt., 10c.

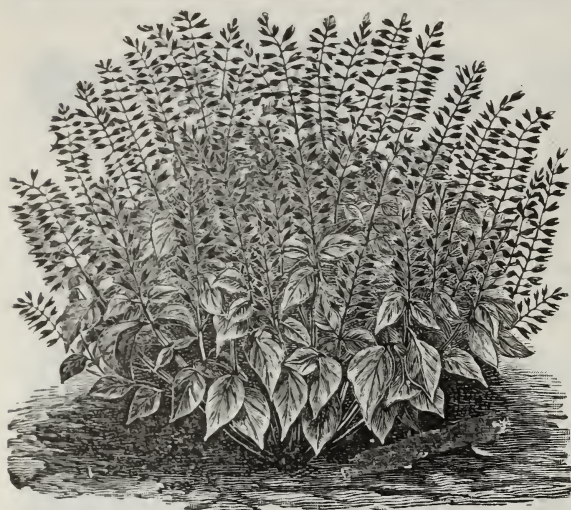
RUDBECKIA (Cone Flower)

Newmanii. An effective, hardy, perennial sort, producing in masses during August and September brilliant orange-yellow flowers; 3 feet. Pkt., 10c; 1/4 oz., 50c.

Purpurea (Giant Purple Coneflower). Hardy perennial; large and showy, reddish purple flowers with dark brown disc; 4 feet. Pkt., 10c; 1/4 oz., 50c.

Golden Glow. An effective yellow perennial flower during August and September, 6 ft. Pkt., 10c.

Plant 'Pure and Sure' Seeds



Salvia

SALPIGLOSSIS (Painted Tongue)

As pot plants they are elegant and for cut flowers for vase and bouquets they are unsurpassed. 2½ feet.

Large Flowering (Painted Tongue). Yellow, rose, scarlet, light blue, purplish violet and striped are found in this mixture. Pkt., 10c; ¼ oz., 35c.

SALVIA (Scarlet Sage)

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May, about 3 feet high.

Early Souvenir. (New). A very early variety and therefore most suitable for sowing out in the garden. Plants grow about 2 feet high, nearly compact, very large, long flower spike of rich brilliant red color. In its full flower it is beautiful. Pkt., 25c; ½ oz., 75c.

America (Globe of Fire). It being of a dwarf bushy habit, filling a want where other varieties attain too great a height. Plants grow about 15 inches high. Pkt., 15c; ½ oz., 40c.

Bonfire. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden. 16 inches. Pkt., 10c; ½ oz., 35c.

Fireball. The most compact type of Salvia yet introduced. Splendid for beds or borders, of somewhat dwarf habit. 14 inches. Pkt., 15c; ½ oz., 40c.

Splenden's Grandiflora Scarlet. A rich-flowered border. 2½ to 3 ft. Pkt., 10c; ¼ oz., 50c.

Zurich. Plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 12 inches. Pkt., 15c; ½ oz., 40c.

1 Pkt. each of above 6 varieties, 75c

Farinacea. A perennial variety, but best treated as an annual, blooming from July to frost from Spring sown seed; color, light blue; 3 to 3½ ft. Pkt., 10c; ¼ oz., 50c.

SANVITALIA

Procumbens Fl. Pl. An annual of dwarf compact growth; useful in masses in beds, or edges of borders, or in vases, baskets, etc. Showy bright yellow, double flowers; in bloom all summer. 6 inches. Pkt., 10c; ¼ oz., 50c.

SAPONARIA (Bouncing Bet)

Rose. Splendid hardy perennial rock plant; bright rose colored flowers; 12 inches. Pkt., 10c; ¼ oz., 30c.

SCABIOSA (Mourning Bride)

They grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost. Annual.

	Pkt.		Pkt.
Crimson.....	\$0.10	Lavender.....	\$0.10
Black-Purple....	.10	Shasta White.....	.10
Rose.....	.10	Peach Blossom....	.10
Mixed.....	Pkt., 10c; ½ oz., 40c		
	1 Pkt. each 6 varieties, 45c		

Scabiosa Giant Loveliness. Loveliness is a glorious new color in annual Scabiosa. The blossoms range through varying tones of soft delicate Salmon Rose. Scabiosa Loveliness is unsurpassed as a cut flower. Pkt., 15c; ¼ oz., 50c.

HARDY PERENNIAL SCABIOSA

Handsome perennial border plants flowering the entire season.

Caucasica. (Isaac House Strain). A splendid improvement in the Caucasica type; flowers larger and with longer stems; colors range from light lavender to dark blue; excellent for cutting. Pkt., 15c.

Caucasica (Blue Bonnet). One of the most handsome of hardy perennials, especially valuable for cutting; lilac-blue; 3 feet. Pkt., 10c; ½ oz., 35c.

Columbaria. A low growing variety, with flowers measuring 2 to 2½ inches across; splendid for cutting. Lavender, Pkt., 15c; Pink, Pkt., 15c.



Salpiglossis.

SCHIZANTHUS

Large-Flowered Mixed. As pretty as miniature Orchids. Forming compact pyramidal plants about 16 inches high, literally covered with large, beautiful orchid-like flowers. Annual. **Pkt., 15c; 1/8 oz., 50c**

SEDUM (Stonecrop)

Charming plants for sunny positions in the rockery, etc., and the taller kinds make effective color groups in the border. They thrive in almost any soil. They are especially fond of sand and full sun, and may be considered the backbone of the American rock garden.

Coeruleum. A pretty creeping annual with dainty racemes of charming pale blue flowers. A splendid subject for the rockery. **Pkt., 25c.**

Perennial Mixed. Useful and pretty plants for the border, producing their interesting flowers during late summer and fall. **Pkt., 25c.**

SENSITIVE PLANT (Mimosa Pudica)

A curious and interesting plant with pinkish white flowers; the leaves close when touched or shaken. 1 1/2 feet. The favorite variety. **Pkt., 10c; 1/2 oz., 30c.**

SHAMROCK

True Irish. Small leaved. **Pkt., 10c; 1/4 oz., 30c.**

SHASTA DAISY

Shasta Daisy (Alaska). Splendid perennial plants with large single white flowers with yellow centers. Seed may be sown in the open ground early in spring but better results are usually obtained from sowings made in boxes indoors and plants set out after they have made some growth. Height 3 feet. **Pkt., 10c; 1/4 oz., 50c.**

SILENE (Catchfly)

Very pretty dwarf plants, used mostly for borders; thriving in almost any common soil and easy of cultivation. Annual. 12 inches. **Pkt., 10c; 1/2 oz., 25c.**

SMILAX

In many respects the smilax is the most useful and it is certainly one of the most graceful climbers. Greenhouse climber. **Pkt., 10c; 1/2 oz., 25c.**



Scabiosa (Page 76)

SOLANUM (Jerusalem Cherry)

Cleveland Red. A greatly improved form of this very useful pot plant for winter decoration. It is of dwarf, branching habit; leaves small and oval shaped, bearing in the greatest profusion bright scarlet globular berries. Very ornamental; 1 foot. **Pkt., 15c; 1/4 oz., 35c.**

STATICE (Annual)

Extremely showy, with large clusters of blooms carried on graceful stems. The plants are easy to grow from seed and do well in almost any kind of soil. The flowers may be cut and treated like Everlastings, drying them in a cool and shady place.

	1/2 Oz.	Pkt.
Sinuata Lavender	\$0.25	\$0.10
“ Rose .....	.25	.10
“ True Blue , extra deep.....	.25	.10
“ White.....	.25	.10

Bonduelli. The plants grow 18 to 20 inches tall and bloom profusely from July to October. The small flowers are borne in attractive clusters. They are rich lemon-yellow in color, suited for a dry sunny location. **Pkt., 10c; 1/4 oz., 50c.**

Suworowi. (Russian Cat-tail Statice). Forms a cluster of leaves on the ground and bearing tail-like spikes of rose-colored flowers. **Pkt., 10c; 1/4 oz., 50c.**
1 Pkt. each of above 6 varieties, 45c

STATICE (Hardy Perennial)

Splendid hardy perennials, either for the border or rockery, producing all summer panicles of minute flowers, which can be dried and used for winter bouquets.

Latifolia. Purplish-blue flowers; 2 feet. **Pkt., 10c; 1/4 oz., 50c.**

STEVIA

Serrata. Free blooming plants for Summer or Winter; bearing a profusion of fragrant white flowers; excellent for cutting; 2 ft. **Pkt., 10c; 1/4 oz., 40c.**



Statice Sinuata



Stocks Cut-and-Come-Again

STOKESIA (Hardy)

Highly valuable for cutting, supplying a shade of coloring not overly plentiful at any season of the year. **Cyanea (Blue)**. The earliest and best sort. 16 inches. **Pkt., 15c; ¼ oz., 50c.**

SUNFLOWER (Helianthus)

Far superior to common Sunflowers. The large, rich golden yellow flowers are produced on each branch. Makes a beautiful hedge. Annual.

Golden Ball. A beautiful large double variety. 7 ft. **Pkt., 10c; oz., 35c.**

Dwarf Double. Similar to the above variety only of a dwarf nature. 3 feet. **Pkt., 10c; oz., 35c.**

Double Chrysanthemum-Flowered. A wonderful Sunflower with fully double golden yellow blooms like a giant Chrysanthemum 6 to 8 inches in diameter. The plants grow nearly 7 feet tall. **Pkt., 10c; oz., 35c.**

SINGLE FLOWERING SORTS

The single Sunflowers are indispensable for cutting. Sown on a sunny spot in April or May, they come into bloom early in summer.

Dwarf Red. This new Sunflower we believe to be a novelty of real merit, and feel sure it will come into general use. 5 feet. **Pkt., 10c; ½ oz., 25c.**

Stella (Improved Miniature Sunflower). Differs from the above by its large and better formed flowers of the purest golden yellow, with black disc. 5 feet. **Pkt., 10c; ½ oz., 25c.**

Perennial Mixed. Perennial Sunflowers add a most distinctive touch to any garden. During the fall they provide a glorious show of yellow blooms. **Pkt., 15c.**

STOCKS**CUT-AND-COME-AGAIN**

Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost. 2 to 2½ feet.

	Pkt.	½ Oz.
Princess Alice. White.....	\$0.15	\$0.40
LaFrance. Pale Blush.....	.15	.40
Brilliant. Blood-red.....	.15	.40
Rose.....	.15	.40
Sapphire. Dark Blue.....	.15	.40
Creole. Creamy yellow.....	.15	.40
May Queen. Delicate lilac.....	.15	.40
Finest Mixed. All colors.....	.15	.40

1 Pkt. each 7 varieties, 75c.

GIANT BISMARCK TEN WEEK STOCKS

Growing from 24 to 30 inches tall, of branching habit, producing innumerable large spikes measuring 12 to 16 inches long, coming into bloom in 10 to 12 weeks.

	Pkt.	½ Oz.
Chamois. Ivory, tinted old rose.....	\$0.20	\$0.50
Blood Red. Fine.....	.20	.50
Lavender. (Mauve Lavender).....	.20	.50
Royal Purple.....	.20	.50
Rose. Deep rose pink.....	.20	.50
White.....	.20	.50
Mixed.....	.20	.50

1 Pkt. each 6 varieties, 90c.

10 WEEK STOCKS DWARF GERMAN

12 to 15 inches high.

	Pkt.		Pkt.
Blood-red.....	\$0.10	Lavender.....	\$0.10
Bright Rose.....	.10	White.....	.10
Peach Blossom....	.10	Mixed.....	.10

A packet each of the above 5 colors, 40c



Red Sunflower

SPENCER SWEET PEAS

This class is particularly thrifty and vigorous. The vines are quite branching, stooling from the base and carry an abundance of handsome foliage. The flowers are consistently of large size, with upright standards delicately waved or frilled and graceful wings. Normally the blossoms are nicely placed on long stiff stems in groups of three or more. Wherever the climate assures rather cool nights and days that this type will flourish to perfection.

For the aphid or plant louse, spraying with solutions of some nicotine or whale-oil soap is usually effective, and for the Red Spider, which also causes trouble at times, spraying with pure water is usually sufficient. A frequent change of location has also been found important.

EARLY FLOWERING SWEET PEAS

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

	Pkt.	Oz.
Orange King. True glowing orange.....	\$0.15	\$0.75
Columbia. Color, pink and white.....	.15	.50
Eldorado. A pure orange salmon; early ever-blooming.....	.15	.75
Harmony. An exceptionally choice clear lavender.....	.15	.50
Snowstorm. This is by far the finest of all white varieties.....	.15	.50
Sweet Lavender. Pure lavender.....	.15	.75
Vulcan. The color is the most vivid scar- let ever seen in sweet peas.....	.15	.50
Yarrowa. Flowers exquisitely waved. Color a pleasing shade of bright rose pink	.15	.50
Zvolanek's Blue. Of the blue jay color, considered one of the very best blues....	.15	.60

	Pkt.	Oz.
Zvolanek Rose. Beautiful self rose color Holds its color to the last and is a free bloomer.....	\$0.15	\$0.50
Mixed. All colors, named varieties.....	.10	.25

SPENCER SWEET PEAS

Austin Frederick. Pure lavender. A de- pendable variety bearing large flowers of excellent form.....	.10	.20
Charity. Pure crimson. This brilliant sort does not burn to any extent in the sun and is much esteemed for its bold flowers	.10	.20
Constance Hinton. Blush before expand- ed; pure white when open. Excellent sub- stance; and a dependable sprouter be- cause black seeded.....	.10	.20
Countess Spencer. Bright shade of pink.	.10	.20
Defiance. A brilliant orange scarlet. This strong growing variety is sunproof and produces fine large flowers.....	.10	.20
Elfrida Pearson. Giant shell pink.....	.10	.20
Margaret Atlee. Rosy salmon buff.....	.10	.20
Mrs. Cuthbertson Spencer. Rose-pink wings white.....	.10	.20
Mrs. Tom Jones. Deep amethyst blue. The blossoms are of fine size and form. The finest deep blue variety.....	.10	.20
Royal Purple Spencer. A rich purple....	.10	.20

ST. L. S. CO.'S SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

ST. L. S. CO.'S "NOVELTY" COLLECTION
Ten big packets of the famous Spencer Varieties

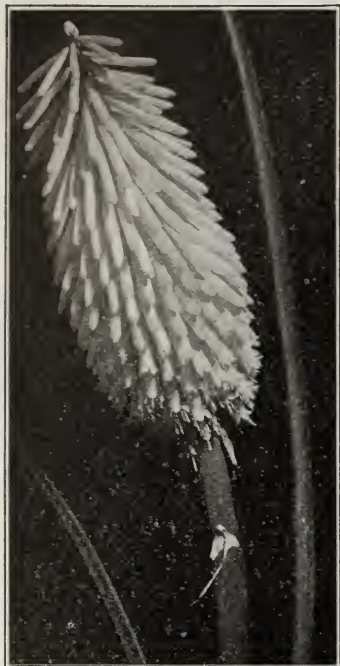
If you care at all for these pretty flowers, do not fail to save a place in your garden for our "Novelty" collections of Spencers. The cultural directions with each collection give full explanation how to grow these flowers to perfection. Include one of these collections with your next order. 10 Pkts., 50c, postpaid.

PEAS PERENNIAL

(Lathyrus latifolius). An easily grown, hardy perennial climber with smaller flowers lacking the fragrance of Sweet Peas, but producing for many weeks a succession of blossoms in clusters of eight to ten each. Only a few flowers can be expected the second season, but in the third and fourth, the plants then being well established, an abundance of foliage and blooms is afforded. The plants die down late in the fall and start again in the spring.

	½ Oz.	Pkt.	½ Oz.	Pkt.
Pink.....	\$0.40	\$0.10	White.....	\$0.40 \$0.10
Red.....	.40	.10	Mixed.....	.40 .10





Tritoma (Red-hot Poker Plant)

SWEET WILLIAM (Dianthus-Barbatus)

A well known, extensively used, sweet scented perennial for bedding and borders, forming fine clumps in any good garden soil and under proper conditions lasting for several seasons. They produce a succession of flower clusters, thus affording splendid bloom for several weeks. The florets are handsomely colored and marked and are borne on stiff stems in great profusion, forming dense round topped heads or clusters, often three to four inches across. The colors are exceedingly varied, ranging from white through many shades of rose, lilac, red, carmine, crimson and maroon to nearly black, usually two shades to each plant.

Pink Beauty. In color it is what florists call water-melon-pink or salmon-rose. Strikingly brilliant and beautiful; the flowers are borne in massive heads on stems 18 inches high. **Pkt., 10c; ½ oz., 35c.**

Newport Pink. Salmon pink. **Pkt., 10c; ½ oz., 35c.**

Scarlet Beauty. A very effective rich, deep scarlet variety. **Pkt., 10c; ½ oz., 35c.**

Holborn Glory. This strain is a large-flowered selection of the auricular-eyed section, the most beautiful. **Pkt., 10c; ½ oz., 35c.**

Maroon. **Pkt. 10c, ½ oz. 35c**

Single White. **Pkt. 10c, ½ oz. 35c**

1 Pkt. each 5 varieties, 35c.

Finest Single Mixed. **Pkt. 05c, ½ oz. 25c**

Double Mixed. This mixture contains the finest colors. Impossible to find anything that can compare with it. **Pkt., 10c; ½ oz., 40c.**

Annual Mixed. The old favorite Sweet William, as all know, does not flower until the second year from seed, but this new type commences blooming in early Summer from Spring-sown seed. **Pkt., 10c; ½ oz., 40c.**

SWEET ROCKET (Hesperis)

An excellent perennial for naturalizing among shrubbery or for planting in a permanent border; fragrant white and purple flowers in mixture; 2 to 3 feet. Seed germinates readily in open ground if sown after danger from frost is past. Hardy perennial. **Fine Mixed. Pkt., 10c; ½ oz., 25c.**

Texas Blue Bonnett. (See Lupinus, Page 65).

STRAWFLOWER

We offer a special mixture of Strawflower. Not only decorative in the garden but when dried retain their color and make an effective Winter bouquet. **Pkt., 10c; ½ oz., 25c.**

THALICTRUM (Meadow Rue)

Hybridum. Very graceful perennial plants with finely cut foliage; excellent for the hardy border. Columbine like foliage. Mixed. **Pkt., 15c; ¼ oz., 50c.**

THUNBERGIA

Mixed (Blackeyed Susan). Handsome foliage and flowers. Used for a screen or basket. Annual. **Pkt., 10c; ½ oz., 50c.**

TORENIA

Fournieri. Bushy globular plants literally covered with the lovely richly colored, snapdragons-like flower of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. **Pkt., 15c.**

TRITOMA (Red Hot Poker)

Hybrida Mixed. A free blooming hardy perennial; large spikes of flowers. An improved variety of the plant sometimes called Red Hot Poker. The handsome flowers are produced in large spikes of rich orange-red tinted flower tubes. Plant two feet apart. Tritomas are hardy when well covered in winter. In the north, dig up the plants in November, place in boxes with dry earth and store in a cellar. In spring place in a warm, sheltered, well drained spot, preferably with a background of shrubbery. **Pkt., 15c; ½ oz., 40c.**

TROLLIUS (Globe Flower)

Orange Globe. Desirable free-flowering plants, producing their giant bright yellow, Buttercup-like blossoms on stems 1 to 2 feet high from May until August; succeeds admirably in the border in a half shady position in well drained, preferably light soil. **Pkt., 35c.**

TUNICA

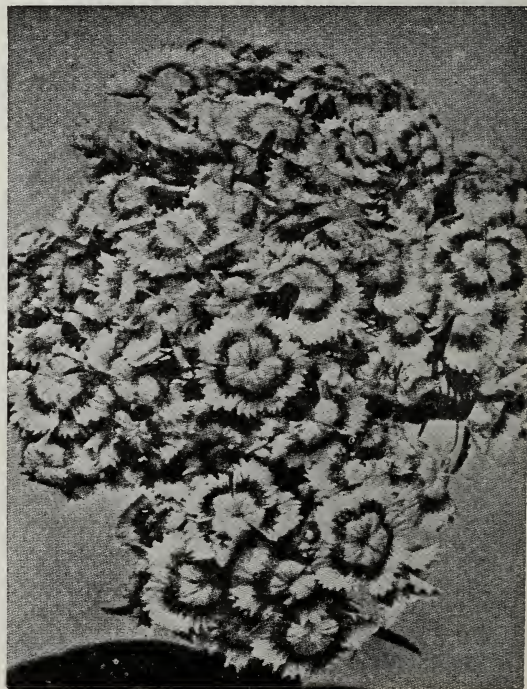
Saxifraga. A splendid dwarf border plant with small delicate rose blooms. Perennial 10 inches. **Pkt., 10c; ¼ oz., 25c.**

VALERIANA (Garden Heliotrope)

Rubra Mixed. Hardy perennial border plants; large fragrant flowers, odor resembling that of the heliotrope; 2 to 3 feet. **Pkt., 10c; ¼ oz., 30c.**

VERONICA (Speedwell)

Spicata. An elegant hardy border plant, growing about 1½ feet high, producing long spikes of bright blue flowers in June and July. **Pkt., 15c; ½ oz., 40c.**



Sweet William

VERBENA

Verbenas usually flower well in August from seed sown in open ground in May. Germination will be hastened if the seed is soaked in lukewarm water before planting. It is desirable to have the soil well fertilized and carefully pulverized. Cover seed about one-fourth inch deep. When the young plants have three or four leaves transplant in rows two feet apart and about twenty-four inches apart in the row, choosing preferably a sunny situation. At this distance the plants, if conditions are favorable, will spread so as to cover the ground completely. Suitable also for borders and window boxes.

Lavender Glory (Novelty). Is a true lavender with a medium sized creamy white eye which accentuates the lovely lavender tone. The color runs quite even, and the individual florets will cover a fifty cent piece. It is also distinctly and sweetly fragrant. **Pkt., 25c; 1/8 oz., \$1.00.**

Salmon Pink (New). A splendid giant flowering, true salmon-pink with white eye; extra large florets; comes absolutely true from seed. **Pkt., 10c; 1/4 oz., 50c.**

Dwarf Compact Fireball (New). Grows about 6 inches high and is literally covered with bright scarlet blooms; excellent for borders, beds or pot plants. **Pkt., 25c; 1/8 oz., 50c.**

VERBENA, Mammoth Grandiflora	1/4 Oz.	Pkt.
Mammoth Blue.....	\$0.50	\$0.10
Lucifer. Cardinal Red.....	.50	.10
Rosea Stellata. Rose, pink.....	.50	.10
Luminosa. Flame pink.....	.50	.10
Golden Queen.....	.50	.10
White.....	.50	.10
Purple Mantle.....	.50	.10
Mixed.....	.50	.10
Auricula fld. Mixed.....	.40	.10
1 Pkt. each, 7 varieties, 55c		



Verbenna Lavender Glory

Great Floral Clock Mixture. This splendid new variety is very dwarf, compact growing Bush-Verbena, with large trusses of all fine colored flowers in shades previously unknown in this class. **Pkt., 15c.**

Fine Mixed. This extra choice mixture includes a wide range of very beautiful colors, shades and stripes usually running from pure white to deep purple. **Pkt., 5c; 1/2 oz., 40c.**

VERBENA VENOSA (Hardy)

Venosa 1 ft. Largely used for bedding purposes, strong, thrifty growers, covered with bright purple and heliotrope flowers. **Pkt., 10c; 1/4 oz., 35c.**

VINCA—PERIWINKLE :

These are very bright annuals which should be included in every garden. They are most attractive with their dark green glossy leaves and their beautiful and large flowers. The plants grow about 15 inches tall.

	1/4 Oz.	Pkt.
Rosea. Fine rose color.....	\$0.30	\$0.10
Rosea Alba. Rosy eye.....	.30	.10
Alba Pura. Pure White.....	.30	.10
All Colors, Mixed.....	.30	.10

VIOLETS (Sweet Scented)

Viola Odorato (Semperflorens). Is the well-known English Violet, a free-flowering, hardy perennial. May be grown from seed. Succeeds best in a partially shaded, moist place. **Pkt., 10c; 1/8 oz., 40c.**

VIOLA CORNUTA—See Tufted Pansies, Page 70.

WALLFLOWER (Annual)

The plants grow to a height of 2 to 2 1/2 feet, form strong, long middle spikes thickly covered with large double blossoms.

Early Wonder Mixed. The seed we are offering this season has been produced from our own special stock seed, reselected for earliness. Will bloom in about 90 days from time of sowing. **Pkt., 25c; 1/8 oz., 40c.**

WALL FLOWER (Perennial)

A beautiful, hardy perennial of exquisite coloring producing long, showy spikes in abundance.

	Pkt.
Double Mixed.....	\$0.15
Single Mixed. 1 foot. 1/2 oz., 30c.....	.10

WAHLENBERGIA (See Platycodon, page 73)



Wallflower

WOOLFLOWER—CHINESE

Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of wool, but not so large as the central one. Start seed, if convenient, under glass about four weeks before time to transplant to the garden. If the little plants remain too long in pots or seed-beds they will begin to set bloom, which is not desirable. Transplant to the garden soon as danger of frost is past.

Crimson. Pkt., 10c; ¼ oz., 40c.

Pink. Pkt., 10c; ¼ oz., 40c.

Mixed all colors. Pkt., 10c; ¼ oz., 40c.

WILD CUCUMBER

Rapid-growing annual climber. Has beautiful leaf and pretty fragrant white flowers Pkt., 10c; oz., 25c.

WILD GARDEN FLOWER MIXTURE

Under this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting.

Pkt. Oz. Lb.

Annual Mixed.....\$0.10 \$0.25 \$2.50

Perennial Mixed......10 .50 6.75

ST. LOUIS SEED CO. SELECTED ZINNIAS

YOUTH AND OLD AGE

One of the most popular and most extensively used of all our hardy annuals. The following list comprises a very choice strain of large variety and of the most brilliant colors. Requires but little attention; will grow in any good garden soil.

Sow the seed early in spring, in open ground in good rich soil, preferably in rows two feet apart and covering about one-fourth inch deep. When the young plants are one to two inches high thin to eight inches apart. Half hardy annual; tall growing, usually about one and one-half to two feet high.

MAMMOTH DOUBLE ZINNIAS

This mammoth strain has produced excellent results to hundreds of customers who have grown it with great success. The plants are of exceedingly robust habit.

The flowers are borne on long, stiff stalks, of a semi-globular form, are mostly very double and together with their immense size, produce a very marked effect.

	½ Oz.	Pkt.
Mammoth Double Purple.....	\$0.50	\$0.10
“ Scarlet.....	.50	.10
“ Red.....	.50	.10
“ White.....	.50	.10
“ Golden Yellow.....	.50	.10
“ Rose.....	.50	.10
“ Orange.....	.50	.10
“ Salmon Pink.....	.50	.10
“ Mixed, all Colors.....	.50	.10

1 Pkt. each of above 8 varieties, 60c

CURLED AND CRESTED

The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Mixed, Pkt., 10c; ½ oz., 40c.

DWARF DOUBLE

This we consider the best Zinnia for general use, forming bushy, compact plants not over 2 feet high, and bearing large perfect double flowers in good, clear distinct colors. Mixed. Pkt., 5c; ½ oz., 25c.

DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Makes a good line or bed and are of more than usual value for cutting.

	½ Oz.	Pkt.
Canary Yellow.....	\$0.50	\$0.10
Golden Yellow.....	.50	.10
Salmon Rose.....	.50	.10
Purple.....	.50	.10
Crimson Gem.....	.50	.10
White.....	.50	.10

One pkt. each of the 6 above colors, 40c.

Finest Mixed. Containing all the colors. .50 .10



Zinnia Double Lilliput, Fine for Cut Flowers

NEW ZINNIA

ELEGANS DOUBLE CUT AND COME AGAIN

A group with double, perfectly formed, medium sized flowers bred with long stems; exceptionally fine for cut flowers. This is a "Cut and Come Again" group and is especially fine for massing in the garden and produces a continuous succession of cut flowers throughout the Summer. Height 2 feet.

ZINNIA ELEGANS CUT AND COME AGAIN

	Pkt.	¼ Oz.
Bright Scarlet.....	\$0.10	\$0.30
Crimson.....	.10	.30
Golden Yellow.....	.10	.30
Salmon Rose.....	.10	.30
White.....	.10	.30
Violet.....	.10	.30
All Colors Mixed.....	.10	.30

NEW ZINNIA

Pinkie. (New). Medium sized flowers of a light Rose-Pink with long stems especially suitable for cut flowers and for massing in the garden. The dainty color and form of Pinkie are so charming as to quite overcome the criticism of coarseness so often complained of in Zinnias. Height 2 feet. **Pkt., 10c; ¼ oz., 75c.**

ZINNIA NOVELTY SCABIOSA FLOWERED

Scabiosa Flowered. This novelty Zinnia is entirely different to all other classes. The plant reaches a height of about 40 inches and is of abundant flowering. Its curiosity consists in the form of the flowers, as the outer ring is formed of long petals, whereas the center shows many small flowers which have a great likeness to the Scabiosa. Mixed. **Pkt., 15c.**

NEW ZINNIA PUMILA

Picotee Delight

Salmon Rose. This is an extra select strain of light and deep salmon shades. Care has been taken in selecting only the best types with curled petals and picotee marking. We highly recommend this novel Zinnia as the best florists' cut flower. **Pkt., 15c; ¼ oz., 75c.**

Delight. Finest Mixed. Of pleasing colors. **Pkt., 15c; ¼ oz., 75c.**

NEW ZINNIA CROWN O'GOLD MIXTURE

The aristocrat among Zinnias; this season's outstanding novelty. Each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The color range includes the popular florist shades in mixed colors. **Pkt., 15c; ½ oz., 40c.**



Zinnia Cut and Come Again

It's not a home until it's planted. Plant flowers and shrubs and make your garden an outdoor living room in which your family can spend many joyful and restful hours

ZINNIAS—Continued

DOUBLE DAHLIA-FLOWERED ZINNIA

This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative Dahlia. The flowers, although not so brilliant in color as those of the older type, are many of them in exquisite shades of rose, lavender and old gold. The plants are strong and vigorous growing and produce an abundance of blooms throughout the summer and early fall.

Buttercup. Deep yellow. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Crimson Monarch. By far the largest and best of the red shades. Flowers often six inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Dream. A fine, deep lavender, turning to purple—a new desirable shade in Zinnias. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Exquisite Rose. By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Old Gold. (New). Glowing, burnished deep and lighter shades of old gold. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Golden Dawn. A beautiful golden yellow of immense size and good form. Very attractive. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Illumination. Similar to Exquisite but a striking self-color of deep rose. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Luminosa. A new shade of clear, bright pink. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Meteor. A rich, glowing deep red (Spinel Red) and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

ST. LOUIS SEED CO.'S

Collection of
GIANT DAHLIA-
FLOWERED
ZINNIASSpecial Offer to
FLOWER LOVERS
of Giant Zinnias

Buttercup. Immense deep creamy yellow.

Crimson Monarch.

Dream. Deep lavender turning to purple.

Exquisite. Light rose, center deep rose.

Old Gold. (New). Glowing, burnished deep and lighter shades of old gold.

Golden Dawn. A beautiful golden yellow of immense size and good form. Very attractive.

Oriole. Orange and gold.

Polar Bear. Pure white.

Purple Prince. Large deep purple.

Scarlet Flame. Scarlet with blending of orange.

Special Above Collection
10 Large Packets, \$1.00.

Oriole. We consider this the most beautiful of its class. It is an immense orange and gold bicolor changing slightly as it ages, but at all times worthy of a beautiful bird for which it is named. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Polar Bear. A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Purple Prince. A fine, deep purple (Rhodanthé Purple) large and well-formed. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Scarlet Flame. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Dahlia-Flowered, Mixed. These flowers have a very marked distinction from the ordinary giant-flowering class, being of a true Dahlia-flowering type, a fine mixture of the very best colors. Pkt., 15c; $\frac{1}{2}$ oz., 75c.



Giant Dahlia-Flowered Zinnias

AMARYLLIS

Cultural Directions. When bulbs are received they should be placed where they will always be slightly moist and warm. When first potted, give very little water and promote growth by giving moderate bottom heat; increase the supply of water as the plant grows. Can be grown outside in summer.

New Hybrids. Flowers of largest size composed of broad, well-rounded overlapping petals; gigantic blooms of the most perfect form, ranging in color from pure white, rose, red and crimson to the richest self colors as scarlet. **Select bulbs, 50c each.**

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

SINGLE BEGONIAS

	Each	Doz.
Rose.....	\$0.20	\$2.25
Scarlet.....	.20	2.25
White.....	.20	2.25
Yellow.....	.20	2.25

CINNAMON VINE

A beautiful, rapid-growing Summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in Winter, but growing with great rapidity in the Spring, so as to cover any trellis or arbor very early in the season. Large, select roots. **Each, 10c; dozen, \$1.00.**

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

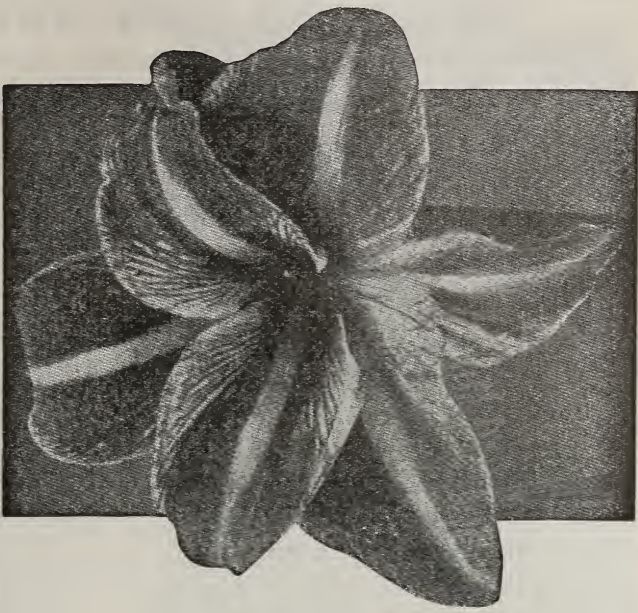
One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. **Large bulbs, each, 15c; dozen, \$1.50.**

MADEIRA VINE

A favorite tuberous-rooted climbing plant with dense and beautiful shining foliage and of very rapid growth, twining on strings to a great height or forming garlands in many fanciful forms. It will grow anywhere, but does best in a warm sheltered, sunny location. It is also a very pretty plant for training around the windows **1 lb., 35c.**



Madeira Vine



MONTBRETIA

These beautiful bulbous flowers have long been neglected in this country. Some of the newer kinds have flowers as large as Gladioli. Each bulb will give you several fine spikes of flowers, many flowers to each spike. The long, slender green foliage works well with many kinds of flowers. **Doz., 50c; 100 for \$3.50.**

LILIES (Hardy Japan)

By mail, add 15c dozen, Postage

Lilies have always been regarded as among the most beautiful of garden plants. Of queenly, faultless purity and stately form.

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Set the bulbs from five to seven inches deep.

Auratum (The Golden Rayed Lily of Japan). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. **Large bulbs, each, 35c; dozen, \$4.00.**

Speciosum Album. A pure white form of the above. **Each, 40c; Doz., \$4.50.**

Melpomene. Frosted white spotted, clouded and bordered with pinkish crimson. Petals deeply recurved and widely bordered. **Large bulbs, each, 35c; dozen, \$4.00.**

Speciosum Rubrum. Petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them very effective and desirable. **Large bulbs, each, 35c; dozen, \$4.00.**

TUBEROSE

By Mail, add 10c Dozen, Postage

Double Pearl Tuberose. One of the most delightfully fragrant and beautiful of the Summer flowering bulbs. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border plant about the first of May or as soon as the ground becomes warm. **Each, 8c; doz., 75c; per 100, \$5.00.**

Mexican Ever-Blooming Single. These bulbs may be planted as early as the first of May and as late as the middle of June, and flowering in about eight weeks time, they continue until after the first frost. This Mexican Ever-Blooming Tuberose is easily grown in the greenhouse and makes one of the best and most useful varieties for forcing. **Doz., 60c; per 100, \$4.50.**

ORCHID AND LARGE FLOWERING CANNAS

Ready for shipment during March and April. By Parcel Post, add 5c dozen, postage.

Of all summer bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. The foliage is of noble proportions, making a full compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged.

PLANTING DIRECTIONS

Soil, Etc.—Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well decayed manure. Dig up about 2 feet deep, and at all times give plenty of water.

For Bedding. Cannas are normally planted about 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 foot circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 3½ to 6 feet.

RED, GOLD EDGED

Charles Henderson. Deep crimson yellow flame at throat. 3½ feet high. **Each, 8c; doz., 75c.**

Pennsylvania. 6 ft. Large, orchid-flowered scarlet, overlaid with orange. **Each, 8c; doz., 75c.**

The President. 4 ft. This Canna is superior to any other red variety in the quality and also the quantity of bloom. Color rich glowing scarlet and the immense firm flowers are produced on strong erect stalks well above the large, rich green foliage. The foliage is entirely free from disease. **Each, 10c; doz., \$1.00.**



The President

BRONZE LEAF, RED

Ambassador. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage. **Each, 10c; doz., \$1.00.**

King Humbert. 4 ft. This is the grandest Canna ever offered. The large heart-shaped leaves are purple-madder brown over bronze. The plants are crowned with immense heads of orchid-like, velvety orange-scarlet, rose-tinted and margined at the base; a combination of leaf and blossom incomparably beautiful. **Each 10c; doz., \$1.00.**

Wyoming. Bronze purple foliage, immense spikes of large massive orange flowers. 6 ft. **Each, 8c; doz., 75c.**

CANNA COLLECTION

The President, King Humbert, King Humbert Yellow, Rosea Gigantea, King Midas, Hungaria. One each of the 6 Fine Orchid-flowered Cannas 50c.



Yellow King Humbert

*We Deliver Free in the United States
All Vegetable and Flower Seeds by
the Packet, Ounce or Quarter Pound*

ORANGE AND YELLOW

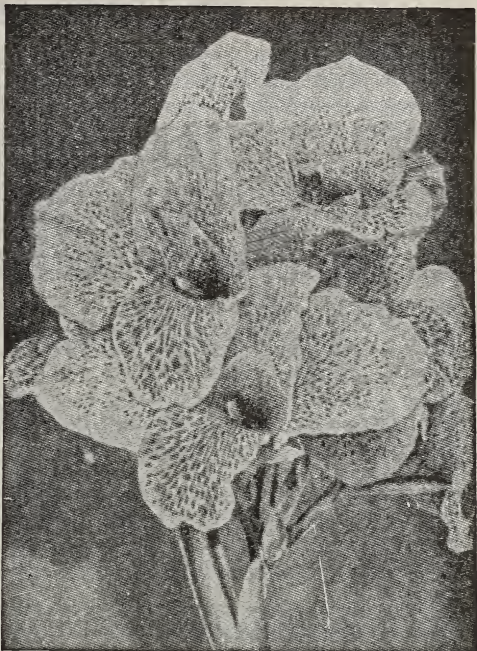
- Canary Bird.** 4 feet. Pure canary-yellow flowers borne on very healthy foliage. The color and habits of foliage identical with The President. **Each, 10c; doz., \$1.00.**
- Gladiator.** 4½ feet. A leader for years. Color is a bright yellow spotted with crimson. No other cannas in this color can surpass this sturdy robust grower. **Each, 8c; doz., 75c.**
- King Midas.** A very large flowering, beautiful, glittering Yellow Canna, with green foliage about 5 ft. tall. Fine for bedding. **Each, 10c; doz., \$1.00.**
- Yellow King Humbert.** 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. **Each, 10c; doz., \$1.00.**

PINK FLOWING CANNAS

- City of Portland.** 3½ feet. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. **Each, 10c; doz., \$1.00.**
- Mrs. A. R. Conrad.** 3 to 4 feet high. The flower has the ideal canna shape with broad rounded petals opening wide and on a heavy filled truss so as to hide the past blooms. Color an exquisite, soft, opaque pale pink with darker pink in throat. **Each, 10c; doz., \$1.00.**



Fancy Leaved



- Hungaria.** 3½ feet. The best pink Canna. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. **Each, 10c; doz., \$1.00.**
- Rosea Gigantea.** 3½ feet. Rich soft rose pink flowers of gigantic size; a prolific bloomer. The large broad petals and the massive heads of bloom invariably create a sensation. **Each, 10c; doz., \$1.00.**

WHITE CANNAS

- Eureka.** 4½ ft. With the advent of Eureka we are granted good full trusses; broad petals; uniform, free and continuous bloom, and a clean; waxy, lily-white color. Sturdy plant and attractive foliage. **Each, 10c doz., \$1.00.**

CALADIUM ESCULENTUM

(Elephant's Ear)

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn; they are used extensively in many of the public parks, where their decorative value is greatly appreciated. To obtain the best results it should be planted where it will obtain plenty of water and an abundance of rich compost.

	Per Wght.	
	Each	Doz. Each
Mammoth bulbs.....	\$0.30	\$3.25 2 lbs.
First Size bulbs.....	.20	2.25 ½ lb.
Medium bulbs.....	.10	1.00 ...

FANCY LEAVED CALADIUMS

Fancy Leaved. Bulbs 1½ to 2 inches in diameter. For window boxes, slow plants, or greenhouse growing they are invaluable. Rich, thrifty leaves, marbled, veined and striped with white, pink and dark red. **Each, 25c.**



Caladium

Plant a Garden. The Children Will Enjoy the Flowers and Vegetables!

ST. LOUIS SEED CO.'S DAHLIAS

This Dahlia deserves a place in every garden, much more so than it did years ago; with the new varieties added each season and the extraordinary array of colors which they possess, the time must come when every lover of flowers will always have a few, if not large tracts of these beautiful Summer and Fall flowers.

Time of Planting. The time for planting Dahlias varies, quite a good deal, according to the locality. In the Central states tubers may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from tubers planted out about June 20. Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of four inches.

ST. LOUIS SEED CO.'S SELECT DECORATIVE DAHLIAS

Double flowers, full to the center in early season. They have long, broad flat petals loosely arranged and are either flat or oval. The petals are never quilled or formed in tubes.

Brockton Beauty. Light lavender flecked with purple in center. A beautiful dahlia of uniformly large size and fine form, and an early and free bloomer with long erect stems. **Each, \$1.00.**

Calvin Coolidge, Jr. Rich rose pink, suffused salmon with each petal edged distinctly gold. A large flower borne on long, straight stems. Vigorous grower, profuse bloomer, resembling Jersey Beauty in its habits. **Each, \$1.00.**

Casper G. Ware. Clear violet rose. Low-growing, spreading bush that is a mass of big, deep blooms all season. A splendid and reliable variety for your garden. **Each, 75c.**

Champagne. Golden champagne with chamois shadings. Large flowers on rigid stem. This dahlia is a fine, free bloomer of very unusual coloring. **Each, 50c.**

Delice. Valuable for cut-flowers; remain fresh long after cutting, long stems, perfect form. The color is a beautiful, soft, glowing rose-pink, shading slightly to the center. **Each, 40c.**

Dr. Tevis. The color is a soft salmon rose, suffused with old gold, with golden apricot at center. The reverse side of petals is a rich old rose. The blossoms are extra large and borne in profusion on long stout stems. **Each, 50c.**

Ellinor Vanderveer. A very large, deep bloom of satiny rose pink with darker shadings. Excellent bush growth and long, strong stems. A great favorite. **Each, 75c.**

Elite Glory. A huge, sensational bloom of rich red held rigidly erect on a very sturdy bush. A great prize-winner. **Each, 90c.**

Faith Garibaldi. This flower, although one of the largest grown, is not at all stiff, and is held erect on a very vigorous bush by a perfectly rigid stem. The color was with us a soft rose with a silvery rose center and reverse, giving a general silvery pink tone. **Each, 90c.**

Fort Monmouth. This veritable giant dahlia has been grown to 12 inches in diameter. The monster blooms are full centered and well formed and are borne on long, stiff stems high above the foliage. Plant is a strong grower and prolific bloomer. The color of this outstanding novelty is a rich crimson maroon with a brightness unusual in the darker tones. **Each, \$2.50.**

Grace. White, faintly flushed with delicate lavender pink, deepening slightly in the center. The perfectly formed flowers average 6 to 7 inches across, though by disbudding they can be grown to 9 inches, and are produced on long, rigid stems. Blooms are excellent keepers and centers remain full and perfect. Bush is a strong, healthy grower of medium height and ideal habit. **Each, \$1.00.**

Jane Cowl. This marvelous dahlia is an enormous, deep flower of the warmest shades of buff, apricot and old gold, beautifully formed, and held absolutely erect on superb stems. Bush growth is vigorous and ideal, and the flowers have wonderful keeping qualities. **Each, \$1.00.**



DECORATIVE DAHLIAS—Continued

Jersey's Beauty. If we could grow but one dahlia this would be the one, as it has everything to recommend it; pure pink color, large size, perfect formation and stem, fine growing habit, and is an exceptional keeper. A wonderful cut flower. **Each, 50c.**

Jersey Beacon. A decided novelty of Chinese scarlet with a paler reverse, giving a two-toned effect. There is no variety that was ever grown that has attracted as great attention as Jersey's Beacon. **Each, 75c.**

Jersey's Sovereign. An indescribable shade of salmon orange. Vigorous grower with very dark foliage. Flowers are of good size on good stems. **Each, 50c.**

Judge Marean. A fine large bloom of changing blends of salmon pink, watermelon red, orange and gold. Free bloomer on splendid stems. **Each, 50c.**

Kathleen Norris. The sensational 1929 introduction which won innumerable prizes and is undoubtedly the greatest pink dahlia. Enormous flowers of pure rose pink are held stiffly erect on long stems above a wonderfully vigorous bush of healthy, clean foliage. **Each, \$4.50.**

Mrs. I. De Ver Warner. The flowers grow to an immense size without any great amount of disbudding, are of a perfect regular type and of the most glowing shade of mauve pink. **Each, 50c.**

Mrs. Carl Salbach. Lilac rose shading to white. A large, free-blooming dahlia held erect on an extra long stem. Still one of the best. **Each, 50c.**



Mina Burtle. A seedling named and originated by Mr. Burtle, a California Dahlia lover. Producing flowers of gigantic size, and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet. **Each, 30c.**

Monmouth Champion. The outstanding performer among the new dahlias last year. An immense, brilliant flame-colored flower, with vigor, habit, stems and blooming qualities all that could be desired. **Each, \$5.00.**

Rose Fallon. Dark orange, tinted with amber and salmon. A popular exhibition prize-winner, the massive blooms standing on very long stems. **Each, \$1.00.**

Waldheim Sunshine. Color is deep, pure yellow with a rich golden suffusion around its full, high center. A very sturdy grower and free bloomer with strong erect stems. The graceful formation of the long, wavy petals is one of the greatest attractions of this massive dahlia. **Each, \$2.50.**

CACTUS DAHLIAS

Ambassador. Color a soft yellow at the center with salmon, amber and pink shadings, gradually deepening towards the tips. The blending of these colors captivates all. The flowers are of largest size and set just right on perfect stems. A strong grower and free bloomer. **Each, 75c.**

Daddy Butler, Hybrid Cactus. A most unusual blending of colors, American Beauty shades or rosy carmine, and the reverse of the beautifully twisted and rolled petals of a lighter tint, giving a variation of color. **Each, 75c.**

Edna Ferber. Size of flowers very large; color, coral shading to old gold at base of petals, which are long and wavy. Tubers, **each, \$1.50.**

F. W. Fellows. An intense coral red with a deeper suffusion at the center. For a long time it has stood foremost among the Cactus varieties. Flowers of unusual size for the long narrow petaled type. **Each, 50c.**

Gladys Sherwood. An immense glistening pure white, producing its giant flowers composed of long curling petals very freely without any forcing or disbudding. Unsurpassed for exhibition or garden displays. **Each, 50c.**

Jean Chazot. Golden bronze with faint suffusion of Nasturtium red. A free blooming. It is a fine exhibition flower, splendid for garden decoration, and unsurpassed by any of the autumn tints as a cut flower. **Each, 50c.**

POMPON DAHLIAS

These are tiny, compact growers, usually of quilled petals, and do not require disbudding.

Catherine. A well formed primrose yellow. **Each, 25c.**

Little Beauty. A small extra fine pink ball variety. **Each, 25c.**

Madeline. Pale primrose edged with rosy purple. **Each, 25c.**

Snowclad. A pure white pompon Dahlia with petal of exquisite texture; free bloomer. **Each, 25c.**

SELECT GLADIOLUS

Gladioli, by Parcel Post, add 5c per doz.

The Gladiolus is one of the most decorative plants in the garden, and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or ten days. Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs six to nine inches apart, the large ones four inches and the small ones two inches deep.

NEW GLADIOLUS—Of Great Merit

Aflame. (Prim.) Begonia rose shading to bright orange flame near the edge. Back of petals even brighter than the front. Very large flowers, many open at a time on a tall, strong stem. A very fine novelty. **Each, 15c; Doz., \$1.50.**

Betty Nuthall. Betty Nuthall is the glory of the whole garden. The plants are tall and vigorous, the spikes very long, strong and graceful. The color is glowing orange pink with pale orange throat and a light feathering of carmine. The florets are often six inches across, of splendid substance and placement. Eight or more open at once. **Each, 15c; Doz., \$1.50.**



Betty Nuthall

Catherine Coleman. Rich coral La France pink; very large flowers well placed on tall, strong stem; one of the aristocrats and considered by many as the world's choicest pink. **Each, 10c; Doz., \$1.00.**

Dr. F. E. Bennett. This is among the finest of the new reds. Tall, sturdy grower with well arranged flowers. **Doz., 60c; 100 for \$4.50.**

Emile Auburn. Indescribable blend of rose and orange with a slaty gray overtone, scarlet and rose blotch on lower petals, a long spike of well placed flowers of most unusual coloring. **Each, 8c; Doz., 75c.**

Jane Addams. Soft phlox lavender-pink, white throat very large flowers of a clear color; tall, strong spikes bear many well placed flowers. **Each, 10c; Doz., \$1.00.**

Mary Jane. Large, light pink, beautiful flower. **Each, 15c; Doz., \$1.50.**

Minuet. Beautiful clear, light lavender, four to six large, heavily textured blooms open at once on a good, strong stem. **Each, 10c; Doz., \$1.00.**

Miss Joy. Tall stately spike. Large soft pink. Grand prim. and very outstanding variety. **Each, 18c; Doz., \$1.75.**

Mr. W. H. Phipps. La France pink, overlaid with salmon rose, lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers, as many as 15 open at a time and perfectly placed on gigantic stem. **Each, 8c; Doz., 75c.**

Mrs. F. C. Hornberger. Pure white, tall and strong. Six to eight open flowers at one time. **Each, 10c; Doz., \$1.00.**

Paul Pfitzer. Brilliant velvety purple; large, massive flowers on strong stems; prolific grower. **Each, 15c; Doz., \$1.50.**

Pfitzer's Triumph. A super-gladiolus, one of the best color resembles the variety Dr. Bennett, but the flowers are still larger and of twice the substance; also better shape and nicer form, measuring 6 to 7 inches in diameter; color bright orange-salmon with small velvet red mark in throat. **Each, 15c; Doz., \$1.50.**

Pearl of California. Clear La France pink, blending to a rosy white throat; as many as ten to twelve large flowers open at a time, making a bouquet in itself. **Each, 18c; Doz., \$1.75.**

Royal Lavender. Deep lavender shading lighter towards the center. The finest deep lavender in existence. **Each, 18c; Doz., \$1.75.**

Ruffled Gold. Golden, ruffled, yellow and in a class by itself. The flower is large, the spike tall. Ruffled, strong growth, early, and a good keeper. **Each, 20c; Doz., \$2.00.**

Veilchenblau. The first large-flowering blue gladiolus introduced. The color is a beautiful violet-blue, darkening toward the center. The entire flower appears, at the first glance, to be made of blue velvet, the sheen is so beautiful. **Each, 15c; Doz., \$1.50.**

GENERAL LIST OF GLADIOLUS

PINK SHADES

Elizabeth Tabor. Delicate rose pink on white ground, rich dark crimson blotch pointed yellow. **Doz., 40c; 100 for \$3.00.**

Giant Nymph. Very large, light pink with creamy throat; one of the finest varieties on strong stem. **Doz., 50c; 100 for \$3.50.**

Halley. Salmon pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center. **Doz., 40c; 100 for \$3.00.**

Los Angeles. Shrimp pink with orange carmine throat, distinct and elegant. **Doz., 50c; 100 for \$3.50.**

Marietta. Delicate shade of light salmon, beautifully blended with light orange; deeper blotch of salmon red on lower petals, making a very rich color combination; large flowers on tall, stately spikes. **Each, 8c; doz., 75c.**

Mrs. Dr. Norton. White, the edges suffused with soft pink. The three lower petals have a blotch of sulphur yellow, strained at the base with fine specks of pink. **Doz., 50c; 100 for \$3.50.**

Mrs. Leon Douglas. Ground color Begonia-Rose, striped with flame and brilliant scarlet. **Doz., 50c; 100 for \$3.50.**

Mrs. Frank Pendleton. The petals show beautiful bright rose-pink on a pure white ground, contrasting in a most striking way with the deep rich velvety blood-red blotch on the lower petals. **Doz., 40c; 100 for \$3.00.**

Myrtle. The most beautiful pink, clearest dainty ruffled rose-pink, softly dissolving into a throat of clear creamy white. **Doz., 50c; 100 for \$3.50.**

Phaenomen. A beautiful gladiolus, the color blending of salmon-pink and rich yellow; very good spike with perfectly placed flowers. **Each, 8c; doz., 75c.**

Mrs. Francis King

BLUE SHADES

Anna Eberius. An extra fine variety and one that is destined to become very popular; color, dark velvety purple, throat a deeper shade. **Doz., 50c; 100 for \$3.50.**

Byron L. Smith. Delicate lavender, deepest at the edges of the petals and shading toward white in the center; gives the impression of an orchid. Well arranged on good stem. **Each, 8c; doz., 75c.**

Purple Glory. Deepest velvety maroon with almost black blotches; large ruffled flowers on very tall, sturdy stems. **Each, 6c; doz., 60c.**

Ruth Huntington. Beautiful violet lilac with deeper lilac markings on lower petals. Large, strong plant with tall, fine spikes. A general favorite. **Doz., 50c; 100 for \$3.50.**

YELLOW SHADES

Early Sunrise. Deep orange salmon with yellowish blotch on lower petals; very early, excellent florist variety, good forcer. **Doz., 50c; 100 for \$3.50.**

Golden Dream. Deep, pure yellow. Tall and fine exhibition variety. The florets are large, of splendid form, many out, and perfectly placed on a tall slender stem. A beauty. **Each, 10c; doz., \$1.00.**

Golden Measure. This is the first really rich yellow large flowering variety produced, it makes a handsome spike well filled with the large blooms and is a strong free grower. **Doz., 50c; 100 for \$3.50.**

Schwaben. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine. **Doz., 40c; 100 for \$3.00.**



RED SHADES

Crimson Glow. Deep scarlet-red, lighter in throat. Carmine blotch on lower petals. Large flowers well arranged on a very long straight spike. **Doz., 50c; 100 for \$3.50.**

Dr. Christ Martz. Ruffled light blood red. Large blooms, fair propagator. **Each, 8c; doz., 75c.**

Flaming Sword. Earliest of all reds, tinted salmon. A variety that is coming to the front very fast, of brilliant red color, opens well and comes into flower very early. **Doz., 40c; 100 for \$3.00.**

Mrs. Francis King. The magnificent flowers measure $4\frac{1}{2}$ inches across. The color brilliant flamingo-pink, blazed with vermillion red. **Doz., 40c; 100 for \$3.00.**

Scarlet Princes or Virginia. Flaming scarlet; large massive flowers, many open at a time, making a gorgeous display of dazzling red; good forcer. **Doz., 40c; 100 for \$3.00.**

WHITE

Chicago White. A fine white variety with lavender stripes on lower petals. Medium sized flowers borne on a tall spike. **Doz., 40c; 100 for \$3.00.**

Mary Pickford. Lovely creamy white with soft sulphur yellow throat; stem also creamy instead of green. **Doz., 50c; 100 for \$3.50.**

L'Immaculee. Pure white; tall slender stems with many flowers open at a time. Very desirable cut-flower variety; early. **Doz., 50c; 100 for \$3.50.**

Peace. Few varieties have become as popular as Peace. The general effect of the flower is white, with a pale lilac feathering on the interior petals. **Doz., 50c; 100 for \$3.50.**



King of Orange (Prim.)

CHOICEST MIXED GLADIOLUS COLLECTION

One bulb each of 12 named varieties. Absolutely the finest assortment of Gladiolus offered by any one. This collection gives you a magnificent display of Gladiolus of every conceivable color, shading and marking. **Per collection of 12 bulbs, 40c.**

PRIMULINUS

The blooms are distinct in their pleasing form and arrangement. Although the individual flowers are not large, they carry an air of grace altogether different from the stiff effect of other types.

Alice Tiplady. A rich orangy saffron, very beautiful and artistic blooms. **Doz., 40c; 100 for \$3.00.**

King of Oranges. Grand Prim of rich orange and very showy. **Doz., 50c; 100 for \$3.50.**

Souvenir. Purest golden yellow of all Gladioli; large, beautifully shaped flowers on tall stem. **Doz., 40c; 100 for \$3.00.**

Orange Queen. An apricot orange primulinus hybrid. Beautiful wide open flowers of excellent substance. **Doz., 50c; 100 for \$3.50.**

Primulinus. Mixed. Self colors that are most pleasing on account of their delicacy. They vary from pale yellow to bright orange salmon, apricot and light scarlet. **Doz., 40c; 100 for \$3.00.**



Scarlet Princep

EVER-BLOOMING FIELD-GROWN ROSES

OUR HARDY DORMANT ROSES ARE READY FOR DELIVERY FROM
THE FIRST OF MARCH UNTIL THE FIFTEENTH OF APRIL

Plants Travel Best By Express. No Plants Sent C. O. D.

Soil. Roses delight in a clay loam, enriched with well-rotted manure. Dig up the soil thoroughly to a depth of 12 to 15 inches, pulverize well; do not raise beds above the level of the surrounding soil.

Location. Roses delight in an open, airy situation, unshaded by trees and buildings. Always plant in solid beds and each class for itself.

SELECT HYBRID TEA ROSES

Angele Pernet. A most remarkable new color, rich brownish orange, entirely different from anything yet produced in similar shades. The flowers are beautifully formed, quite double, hold their color well. **Each, 75c.**

Christine. Flower deep and clear golden yellow, perfectly shaped, petals of good substance; sweetly scented. **Each, 55c.**

E. G. Hill. Great massive blooms of deep maroon, velvety on inside and glistening outside; very perfumed with old-rose fragrance. **Each, 75c.**

Gen. MacArthur. A well known rose, being one of the earliest and most perpetual flowering sorts. The blooms are large, full and delightfully fragrant. In color it is a rich crimson scarlet; growth is vigorous. **Each, 50c.**

Golden Ophelia. Golden yellow in center shading to pale yellow on the outer petals. This is a seedling of the well-known variety Ophelia, possessing its many good qualities. **Each, 50c.**

Killarney White. A duplicate of the charming pink Killarney. Flowers white as snow. **Each, 40c.**



Los Angeles

Los Angeles. Beautifully shaped, fragrant flowers of pale salmon-pink, richly shaded with deep rose and gold. Extremely popular with everyone for its beauty and fragrance. **Each, 50c.**

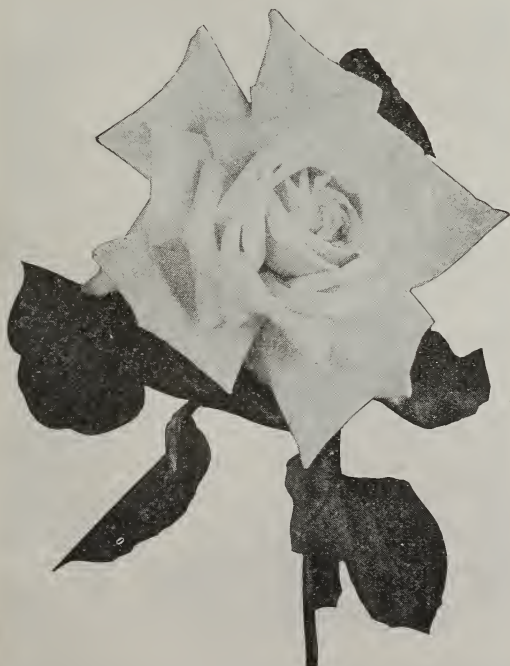
President Herbert Hoover. An outstanding novelty of a really new color combination; Maroon, orange and gold, rioting in the most contrasting fashion. Long-pointed buds, rigid stems. One of the best fall bloomers. **Each, \$1.00.**

Radiance. Brilliant rosy carmine shaded pink, large, full of fine form. A constant bloomer and an excellent keeper in summer. **Each, 45c.**

Red Radiance. An ideal bedding Rose of American origin that continues to produce its large flowers throughout summer. A Rose that does well everywhere. **Each, 45c.**

Souvenir de Claudius Pernet. A most vigorous grower of erect branching habit. Beautiful, brilliant green foliage; color, a most striking sunflower-yellow, deeper in the center. **Each, 45c.**

Talisman. A new American rose of exceptional coloring; the outside of the petals is bright yellow, gold and pink; as the flower opens it becomes bright apricot, gold and rose-pink. The bud is long, pointed and opens into a full double flower. A strong grower with glossy foliage and very free flowering. **Each, 70c.**



Ophelia



Radians

HARDY HYBRID PERPETUAL ROSES

Frau Karl Druschki. The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. Large flowers of waxy paper white in June. **Each, 35c.**

George Dickson. Very vigorous plants with magnificent blackish crimson blooms. **Each, 40c.**

Ulrich Brunner. A bright cherry-red; flowers large and full; a good strong grower and always does well. **Each, 35c.**

Gruss an Teplitz. This is a rose for everybody, being the most profuse blooming crimson rose in existence. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. It will succeed under the most ordinary conditions. **Each, 35c.**

DWARF POLYANTHA OR "BABY" ROSES

Baby Rambler, Crimson Baby. The Crimson Rambler in dwarf form, with the same clear, brilliant, ruby-red color. Hardy and healthy everywhere, attaining a height of twenty inches, and blooming in profuse clusters until frost. **Each, 35c.**

Edith Cavell. Brilliant crimson, with white center. Flowers small, in very large bunches. Free grower and bloomer. **Each, 35c.**

George Elger. A delicately beautiful variety shaped like Cecile Brunner, but soft golden yellow in bud and paler in open flower. **Each, 40c.**

Ideal. Really the finest dark red—darker, more even color than Miss Edith Cavell. Flowers small and in gigantic clusters. **Each, 35c.**

Orleans. The most popular light red sort for many years. Fine, bushy plants crowded with clusters of small flowers all season. **Each, 35c.**

HARDY CLIMBING ROSES

Desirable for covering trellises, walls or porches, as they succeed under any circumstances. Perfectly hardy, blooming in clusters of medium-sized flowers.

Scorcher. An Australian introduction that has created a world sensation. Very vigorous and hardy, with handsome vermilion flowers covering the plant in great profusion and a fair repetition in autumn. There is nothing else like it. **Each, \$1.25.**

Staeckelin. This most unique climber was discovered in Spain in 1925 by Mr. Nicolas, hardy, vigorous grower. Crimson buds opening to large, perfumed, pale pink flower. **Each, 85c.**

Primrose. New hardy yellow climber with large double, canary-yellow flowers in great profusion. Much harder than Emily Gray. We believe it is the most satisfactory yellow climbing Rose for the North. It is very new and everyone who has it is enthusiastic over its merits. **Each, 85c.**

American Pillar. Tremendous growth and glossy, permanent foliage. Flowers single, brilliant pink with a white eye, borne in clusters as large as your head. The most popular single-flowered climber. **Each, 40c.**

Dr. W. Van Fleet. The color is a remarkable delicate shade of flesh-pink on the outer surface, deepening to rosy-flesh in the center. Sweetly perfumed; beautiful bronze green foliage. **Each, 40c.**

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base to the petals, flowers large, generally exceeding four inches in diameter, very free flowering. **Each, 50c.**

Paul's Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. **Each, 40c.**

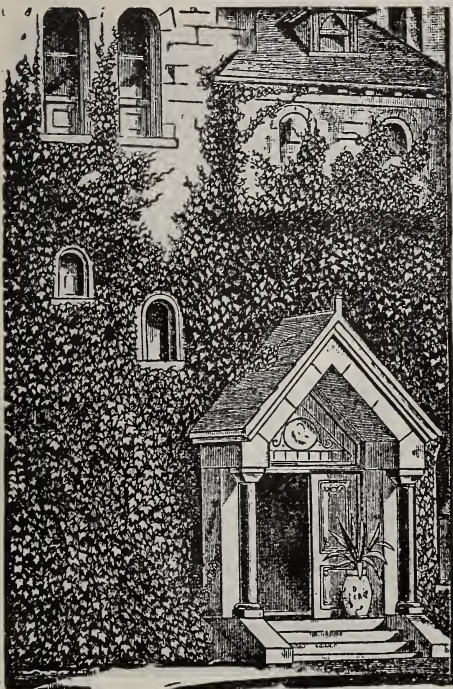
Silver Moon. Four to five-inch semi-double flowers pure white with thick clusters of yellow stamens. **Each, 40c.**



HARDY CLIMBING PLANTS

Ready for shipment from March 1st to April 10th

NOTE—Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at Purchaser's expense. No Plants sent C. O. D.



Ampelopsis Veitchii

The use of shrubbery adds materially to the beauty and attractiveness of the home grounds or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings.

AMPELOPSIS

Sometimes called **Boston Ivy** and **Japan Ivy**

Veitchii. This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 feet in two or three years; clings to stones, brick or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange so dazzling as to be seen at a great distance. **Each, 45c.**

HONEYSUCKLE (Climber)

Halliana (Hall's Japan Honeysuckle). A strong vigorous almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. **Each, 25c.**

Scarlet Trumpet Honeysuckle. This and its varieties are the handsomest in cultivation. It is a strong, rapid grower. **Each, 30c.**

CLEMATIS

No other climbing plant equals in attractiveness the beautiful Clematis. Their requirements are somewhat different from most other plants, and proper conditions must be given to secure satisfactory results. They need rich, deep soil, perfect drainage, abundance of water and most important of all, they should be planted with the crowns three inches beneath the surface of the soil.

Jackmanni. The best known and most valued large flowering variety of this popular family. A perfect mass of bloom when in full flower. Color: dark, rich, royal purple. **Each, 70c.**

Paniculata. This grand climbing vine is one of the most valuable ever sent to us from Japan, blooms in the early Fall and is one mass of fleecy-white, fragrant flowers. These are succeeded by the silken seed vessels almost as ornamental as the flowers. It will grow 15 to 20 feet in a season, it is insectproof, it is perfectly hardy, it adapts itself to all situations, thrives everywhere, and need only be seen to be admired. **Strong two-year plants, each, 40c.**

WISTERIA

The Wisteria is one of the most decorative of vines, and for porch decoration, without too much shade, it has no superior. The long, twining branches bear great sprays of foliage, while its charming flowers sway with every passing breeze.

W. Sinensis (Chinese). Flowers in clusters; pale blue; sometimes gives a second crop of flowers in the Fall. Strong plants. **Each 50c.**

W. Sinensis Alba. Of similar habit to sinensis, with pure white flowers. Strong plants. **Each, 50c.**

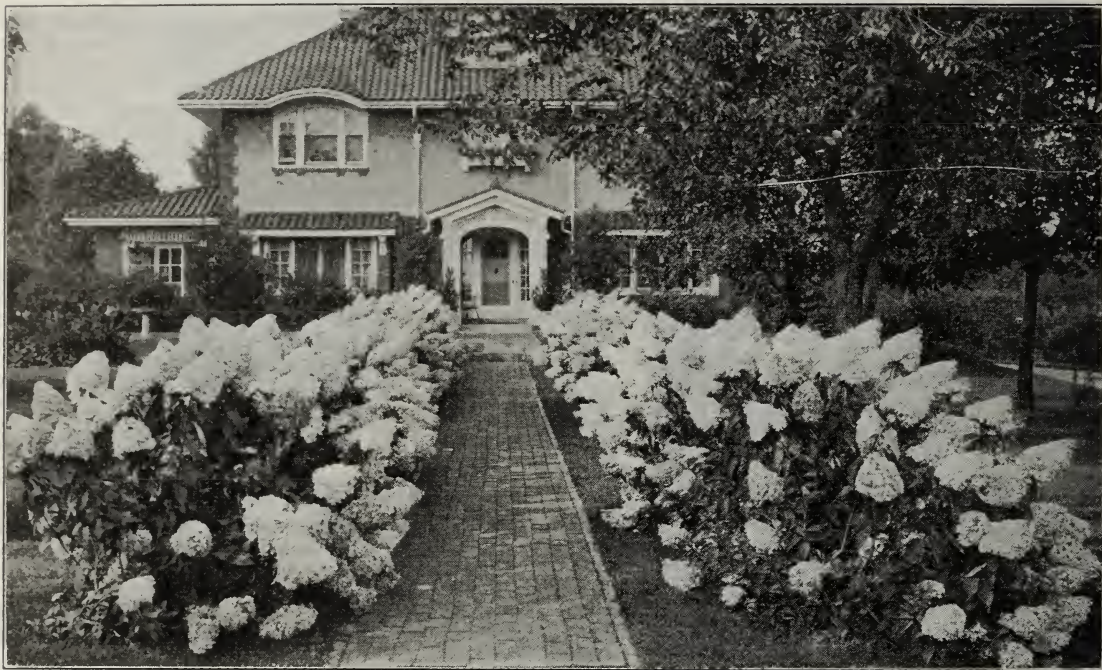


Clematis Paniculata

HARDY ORNAMENTAL SHRUBS

Ready for shipment from March 1st to April 10th

NOTE—Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at Purchaser's expense. No plants sent C.O.D. All our Shrubs are strong plants, 3 to 4 feet high.



Hydrangea Paniculata Grandiflora—Page 97

ALTHEA (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late season of blooming, which is from August to October, a period when few shrubs are in flower. They are extensively used as hedge plants, for which they are admirably adapted. We offer in 3 distinct colors, grows about 8 feet high.

Each

Red.....	\$0.35
Pink.....	.35
White.....	.35

CALYCANTHUS

Floridus (Sweet or Strawberry Shrub). A very pretty shrub flowering during May. The flowers are double, chocolate-colored, and strawberry scented grows about 6 feet high. **Each, 50c.**

BUDDLEIA VARIABILIS VEITCHIANA

Butterfly Shrub, Summer Lilac

One of the most desirable of summer-flowering shrubs, beginning to bloom in July and continues until cut down by severe frost. The flowers are of a pleasing shade of violet-mauve, and are borne in dense, cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter. It succeeds everywhere, and flowers the first season it is planted. The plant dies down in winter, coming up the following spring. Grows about 8 feet high. **30c each.**

DEUTZIA

Very ornamental and popular shrubs with showy white or blush flowers appearing in tassel-like clusters in Spring or early Summer. Grows to 6 feet.

Pride of Rochester. Blooms in May in advance of the others. With very large, double white flowers. **Each, 35c.**

Crenata Rosea (Double Pink Deutzia). A tall shrub usually 6 to 8 feet high with numerous upright branches. Flowers double, pink. **Each, 35c.**

ALMOND, FLOWERING (*Amygdalus*)

This beautiful shrub is one of the loveliest. The flowers are borne on its slender branches during May, and are very fragrant. Grows about 4 feet high.

Pink. Double-flowering pink.

Strong plants, 2 to 3 feet, each, 55c.



Deutzia

HARDY ORNAMENTAL SHRUBS

Ready for Shipment from March 1st to April 10th

CORNUS (Dogwood)

This is a very well-known shrub. The flowers appear in May, before the foliage. In autumn it takes on a rich crimson shade, and is most effective at that time. This is the shrub variety of Dogwood and should not be confused with the Dogwood Tree.

Aurea (Golden Twig Dogwood). A very pretty shrub for winter color effect, bark bright yellow, grows about 6 ft. **Each, 50c.**

Florida. Flowering tree producing (White Flowering Dogwood). Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green; glossy and handsome; in the autumn turning to deep red. Spreading, irregular form. **Each, 75c.**

Sibirica (Siberian Dogwood). A strong-growing variety with white flowers. The branches are crimson colored in winter; grows about 6 ft. **2 to 3 feet, each, 40c.**

FLOWERING CRABS (Malus)

Bechtel's The only genuine double flowered crab. Makes a medium sized tree; perfectly hardy, succeeds well in most soils. When in bloom appears to be covered with delicate pink, perfectly double small roses of delicious fragrance. **Each, 90c.**

FORSYTHIA

A very decorative shrub with bright golden yellow, star-shaped flowers which burst into bloom at the beginning of spring while the bush is otherwise bare; grows about 6 ft.

Intermedia. Flowers bright yellow, glossy green foliage; 3 to 4 feet, extra bushy. **Each, 35c.**

Viridissima (Green Stem). Thick, green leaves; strong, erect habit, bright golden-yellow flowers in early spring. **Each, 35c.**



Weigelia

HYDRANGEA

Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size coming into flower early in June and lasting until late in August. Especially suited for shaded places; grows about 5 ft. high. **Each, 45c.**

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. Fine as single specimens on the lawn or grouped in large beds. Strong bush form; grows about 3 ft. high. **Each, 45c.**

KERRIA (Corchorus)

Japonica. May, June. Yellow. Slender shrub, stoloniferous, with bright green branches, which remain so during winter. Foliage a deep green forming a pleasing background for the single yellow flowers that come throughout the summer months; grows about 4 ft. high. **Each, 60c.**

KOLKWTZIA

Amabilis (Beautybush). There are few flowering shrubs which can surpass this for beauty of form and flower. A graceful, ornamental shrub closely related to the Abelia and Weigela. Blush-pink flowers, like Weigela blooms, almost completely cover the bush. Recommended by Dr. E. H. Wilson and other authorities. **Each, 70c.**

LILAC OR SYRINGA

Marc Michili (Purple). Very free bloomer of large flowers; an excellent variety. **Each, 55c.**

Marie Legraye (White). Free bloomer. **Each, 55c.**

LONICERA (Upright Honeysuckle)

Ruprechtiana. A fine variety from Manchuria, especially valuable for its showy red fruit; grows about 8 ft. **Each, 30c.**

Tartarica Grandiflora Rosea. A beautiful shrub, very vigorous, and producing bright red flowers striped with white in June; grows about 8 ft. **Each, 30c.**

PHYSOCARPUS

Physocarpus opulifolius aureus, Goldleaf Ninebark. Strong-growing shrub. Very conspicuous from the golden hue of its foliage; of strong growth. **Each, 40c.**

PRUNUS (Plum)

We offer two varieties of the Flowering Plum.

Othello, Purpleleaf Plum. **Each, 65c.**

Triloba (Double Flowered). Flowers delicate double pink. **Each, 65c.**

QUINCE (Cydonia)

Japonica (Flowering). Showy scarlet flowers. A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges; grows about 6 feet high. **Each, 45c.**

SNOWBERRY (Symphoricarpos)

Inconspicuous rose-colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming. **Racemosus** (White) Pink flowers; showy white berries; grows about 4 ft. high. **Each, 40c.**

Vulgaris (Indian Currant). Coral red berries all winter. **Each, 30c.**

RHUS (Sumac)

Aromatica (Fragrant Sumac). 6 to 8 feet; flowers yellow, red berries in June. Leaves turn to scarlet. **Each, 65c.**

Purple Fringe. (Am. Smoketree). A much admired small tree or shrub for its curious fringe of hair-like flowers that cover the whole surface of the plants in the middle summer. **Each, 40c.**

HARDY ORNAMENTAL SHRUBS

Ready March 1st to April 10th

SPIRAEA

Anthony Waterer. A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth, never exceeding 30 inches in height; in bloom the entire summer and fall. **Each, 35c.**

Thunbergi. One of the prettiest of the dwarf shrubs, with fine delicate foliage and a profusion of small white flowers in the early Spring. Grows about 2 feet. **Each, 35c.**

Van Houtte. The grandest of all the Spiraeas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Grows about 6 feet high. **Each, 25c.**

Prunifolia (Bridal Wreath). Double pure white flowers; perfect gem, each individual flower as double as a Ranunculus and very conspicuous. Grows about 5 feet high. **Each, 35c.**

PHILADELPHUS (Mock Orange)

Coronarius (Mock Orange). For grouping with other shrubs, forming large screens or hedges which may not require pruning, or used as single specimen lawn plants they are desirable. Fragrant, white flowers in dense clusters. **Each, 40c.**

Norma. Slender grower with large individual single flowers. **Each, 60c.**

Virginalis. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, sweet-scented and produced in clusters of five to seven. Grows about 8 feet high. **Each, 50c.**

VIBURNUM (Snowball)

Carlesi (Fragrant V). Early flowering Viburnum bearing very fragrant delicate pink flowers which retain form and beauty a long time. **Each, 95c.**

Common Snowball (Opulus sterile). This old-fashioned favorite grows most anywhere. Attains a height of 6 to 8 feet. It is very hardy and always flowers freely. The numerous flowers appear in compact balls. We recommend it for lawns and cemetery plantings. It is a beautiful plant. **Each, 50c.**

Opulus (High-Bush Cranberry). The white flowers in June are followed in autumn by bright scarlet berries, which are very attractive until late in winter. Grows about 5 feet high. **Strong plants, each, 60c.**

TAMARIX

Africana. Strong, slender, tall-growing shrub of irregular habit, with feathery foliage and small, delicate pink flowers. Grows about 8 feet high. **Each, 40c.**

WEIGELIA

These easily take rank among the most popular flowering shrubs. Grows about 6 feet high.

Eva Rathke. Considered the finest Weigelia in cultivation, blooming continuously throughout the summer. The flowers a rich carmine. **Each, 40c.**

Candida. Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the summer. **Each, 40c.**

Rosea. A charming new Weigelia, flowers brilliant crimson; a beautiful, distinct, clear shade. **Each, 40c.**

HEDGE PLANTS

We offer two of the principal shrubs that are extensively used for Hedge Plants

California Privet. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion. 2-year-old, 24 to 30 inches, 10 for 40c; 20 for 75c; 100 for \$3.00.

BERBERIS THUNBERGII (Japan Barberry)

Thunbergii. Perfectly hardy. Will make a dense hedge from 2 to 3 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries. **Each, 20c; 10 for \$1.50; 100 for \$12.00.**

Red-Leaved Japanese Barberry. It is similar in all respects to the green-leaved Japanese Barberry which is so popular, but in the foliage of this new variety is of a rich, lustrous, bronzy red. **Each, 40c; 10 for \$3.50.**



ST. LOUIS SEED CO.'S DEPENDABLE POULTRY SUPPLIES INTERNATIONAL SANITARY HOVER

THE SCIENCE OF BROODING CHICKS

A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air so that almost any hover will do for the day time.

But at night it is different. They hover instinctively under the brooder—just as they would under the mother hen—and trust to the brooder to bring them safely through the night. If the hover is a good one they will come out healthy and happy in the morning, and the result will be healthy, robust broods. And how they come out in the morning depends upon the brooder.

The greatest loss in the poultry business is in the raising of baby chicks and that is why you should give a great deal of attention to your brooding problems. You ought to know why the Sanitary Hover has a canvas curtain. Why it is perfectly ventilated at night and every chick is sure of plenty of fresh air during the night, why the curtain prevents all drafts from striking the chicks, and why you can depend on seeing every chick ready to face the new day.

A complete catalog of the International Sanitary Hover will be mailed you free. Write for a copy and learn the system of perfect ventilation found only in "The One Perfect Brooding Device."

Price \$13.50

BETTER THAN

A MOTHER HEN

"DANDY" BROODER STOVE

The Dandy is simple in construction and has no complicated or unnecessary parts.

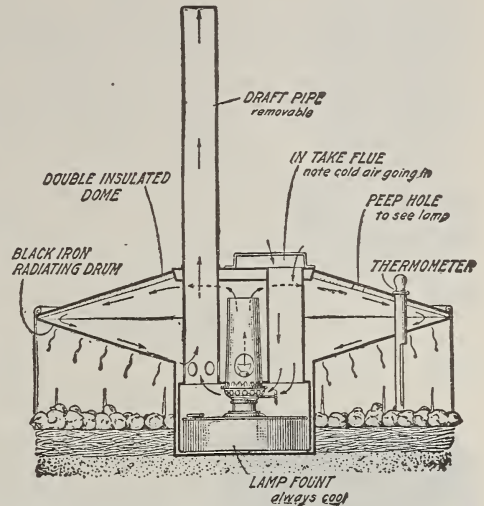
The Dandy is self-regulating and requires very little attention. It will burn nearly any kind of fuel. Hard coal, chestnut size is best, as it burns slowly with an even heat, but soft coal or coke can be used successfully.

The stove has a large deep fire pot and is filled from the top.

The Dandy is made of highest quality iron castings which will last and wear indefinitely.

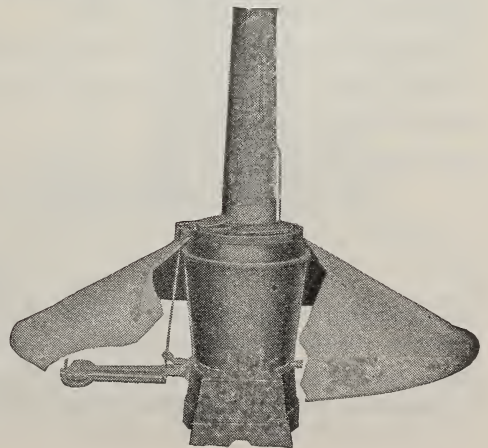
The automatic control by means of the thermostat reduces the work to a minimum. It is easily adjusted to any degree of heat and after adjustment at the beginning of the season, requires no further attention.

We can recommend this stove very highly. The Dandy is made in one size only; 52 inch canopy. **Price, \$10.00, F. O. B. St. Louis, Mo.**



Sectional View of the Sanitary Hover

The cool air flows in through the intake flue, discharging at the bottom near the lamp, which keeps the oil fount always cool and safe. This circulation is caused by the current of warm air flowing constantly up through the tall draft pipe which current of air carries off the fumes from the lamp after the heat has served its purpose. By this arrangement the heat is made to radiate in all directions from the top and sides of the lamp chimney. The black-iron radiating drum is thin and easily radiates heat; and inasmuch as the drum is lower at the edge than near the center, it gets warm first at the edge and is **always warmer there than near the lamp.** This feature i. e., a higher temperature at the outer edge, is what especially pleases the practical poultry raiser, as it prevents crowding.



LAWN PARK EXTENSION COOP

This coop is a combination closed and open air coop. When the coop is extended it forms an open air coop. It keeps the hen and her brood together. The wire extension has no bottom. This allows the hen and little chicks to scratch and pick on the ground. It can be moved from place to place to give the brood a new place for scratching which they enjoy very much and makes them thrifty and prosperous. When the brood is confined in this coop it keeps the other fowls away from them and they are undisturbed. The bottom has a flange on each side extending upward so the little chicks cannot get their feet caught. When the extension is drawn out or pushed in the wire extension has three doors which can be used either when coop is extended or closed. When desired, close the coop by pushing in the extension.

They come nested one over the other and are packed one-half dozen in a wood crate and weigh about 188 pounds to the crate.

Size of coop extended, 46 inches by 20 inches and 18 inches high. When closed 24x20x18 inches.

Each\$4.00
Cannot be mailed



MOE'S OATS SPROUTER

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

The best results are obtained if the sprouter is placed in a cellar near the furnace or in a room with a temperature of 65 degrees or 70 degrees. Use good oats and soak them in water for about 12 hours, then fill the trays to a depth of about 1 inch. Sprinkle and stir with a paddle each day until they sprout. Then discontinue stirring, but continue to sprinkle daily.

No lamp or heater required.
Total height of frame, 3 feet. Size of pans 16 inches by 18 inches.
Packed knocked down, one in a crate. Shipping weight, 25 pounds.

No. 110. Moe's Oats Sprouter. Each\$5.00
Cannot be mailed



ECONOMY TRAP NEST FRONT

Simple in operation, with no small loose parts to get out of order.
Can be easily fitted to any orange or ordinary wood box or coop and gives the breeder the opportunity to use a size nest best adaptable to his birds, with a uniform automatic trap feature suitable for any breed of fowl.

Effectively traps the hen, yet allows ample ventilation.
Door is hinged, making it easy to remove the hen or clean the nest. Made in one size.
Trap nest front. Each 2 lbs.....\$0.50
Per dozen 20 lbs..... 6.00

By mail, add Postage



NEST EGGS

Lice Repelling White Nest Eggs. Made of naphthalene. Aid greatly in keeping the nest and hen free from vermin. Shipping weight, per dozen, 3 lbs. By mail, add postage. Price per dozen.....\$0.60
China Nest Eggs. Made of white porcelain, natural in appearance, and uniform in size. Will not easily break. They induce the hen to lay where she should, in the nest provided for her. Shipping weight per dozen, 2 lbs. By mail, add postage. Price per dozen.....\$0.35

MOE'S TOP-FILL CLEANABLE FOUNTAINS (With Round Pans)

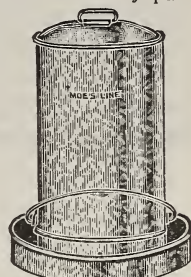
Made of heavy galvanized steel, with double walls, which keeps the water cool in summer, and retards freezing in winter. Feeds automatically, no valves to get out of order. Fills from the top, thus avoiding the annoyance of spilling over while being filled. Thoroughly sanitary and as easily cleaned as an ordinary pail.

Fill the fountain in the morning and the chickens have an all day's supply of pure water at just the right temperature.

Round drinking pans which are preferred by many, and the outside cover has a heavy wire handle, so it can be used to carry water when filling the inside tank. Diameter of pans 13 inches.

The side clips hold the pan securely in place when the fountain is lifted or carried about by the top handle.

	Shipping Weight	Each		Shipping Weight	Each
No. 33. 2 Gallons.....	7 lbs.	\$2.10	No. 34. 4 Gallons.....	9 lbs.	\$2.60
By mail, add Postage					

**Moe's Gem Chick Fountains**

A good, inexpensive fountain for chicks or grown fowl. Made of galvanized steel, accurately stamped and formed. Easy to fill and clean. The fluted pan is shaped to care for up to 18 chicks at a time without crowding or danger of getting the chicks wet. Diameter of pan, 10 in. Has a substantial top handle for carrying, and may be placed on the floor or hung from the ceiling up out of the litter as desired. In two sizes.



	Shipping Weight	Each		Shipping Weight	Each
No. 158. 1 Gallon.....	3 lbs.	\$0.55	No. 159. 2 Gallons.....	4 lbs.	\$0.75
By mail, add Postage					

Moe's Bottom-Fill Fountains

This fountain fills the breeder's requirements for a good, inexpensive article. Made in two pieces accurately stamped and formed. Easily filled and cleaned. The round shape prevents bursting from freezing. The cone-shaped top prevents chickens from roosting thereon. Made of best quality galvanized.

	Shipping Weight	Each		Shipping Weight	Each
No. 19. 1 Quart.....	1 lb.	\$0.25	No. 20. 2 Quarts.....	2 lbs.	\$0.30
By mail, add Postage					

**Sanitary Earthen Fountains**

Constructed of white stone ware, in two parts, so that it can be easily filled and cleaned. It is the best fountain for use in administering medicine in water to your poultry.



Sanitary
Drinking
Fountain

These fountains keep the water fresh and cool in hot weather and are endorsed by many successful poultrymen.

Nothing to wear out on these fountains, and for use during the hot summer months they are unsurpassed. The different sizes will do for baby chicks, grown fowl or pigeons. Cannot be mailed.

Sanitary earthen fountains are made in the following sizes:

SIZES AND PRICES

1 Quart.....	Each, 40c; dozen, \$4.75	1 Gallon.....	Each, 80c; dozen, \$9.50
2 Quart.....	Each, 60c; dozen, \$7.00	2 Gallons.....	Each, \$1.00; dozen, \$11.00

Half Dozen NOT sold at the dozen price. Cannot be sent by mail.

We will not be Responsible for Sanitary Earthen Fountains Broken in Shipment.

MOE'S WINTER FOUNTAIN

A simple and reliable fountain with a heater.

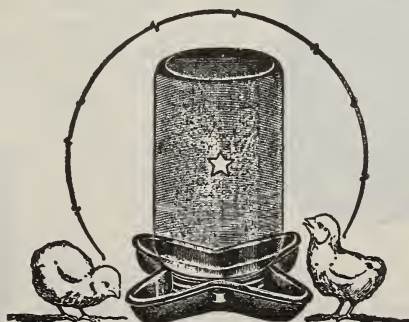
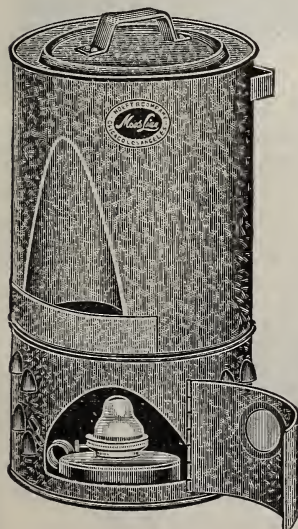
The fountain has a capacity of 5 gallons, and the lamp holds sufficient Kerosene to burn continuously for one week.

The fountain can be removed from the heater and used independently when desired.

Packed one in a box. Shipping weight 11 lbs. complete. Heater can be used under any fountain.

No. 75. Winter Fountain. Each...\$3.50
Heater only, shipping weight, 5 lbs..... 1.90

By mail, add Postage.

**MOE'S STAR FOUNTAIN AND FEEDER**

The latest improved type of Mason jar fountains. Made of single piece of heavy, non-rusting material. Provides a greater drinking surface than the round fountains. Can be used for feed as well as water. Little chicks cannot drown. Convenient, practical, low in price and durable.

Price..... Each 10c; Doz., \$1.20
Shipping weight, per dozen, 4 pounds. By mail, add postage. We do not furnish jars.

MOE'S DRY MASH HOPPERS

A dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

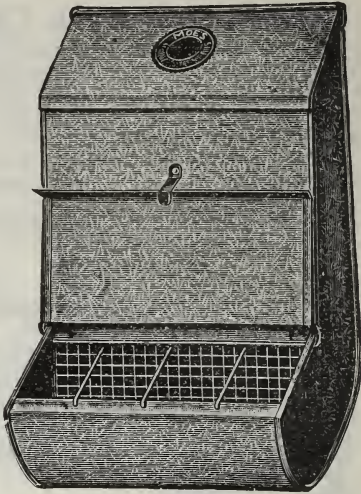
The sloping top prevents them from roosting on the hopper.

When both covers are closed it is rat, mouse and weather proof.

Made in four sizes.

	Height	Width	Shipping Weight	Each
No. 35.....	19 in.....	8½ in.....	5 lbs.....	\$1.50
No. 36.....	19 in.....	12 in.....	6 lbs.....	1.70
No. 13.....	19 in.....	18 in.....	8 lbs.....	2.20
No. 37.....	19 in.....	24 in.....	11 lbs.....	2.60

By mail, add Postage



No. 36

GRIT AND SHELL BOXES

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical methods of supplying grit, etc., than those practical, inexpensive compartment boxes. No solder used in their construction.

Can also be used as feed hoppers for little chicks.

Made of heavy galvanized iron in three sizes. No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.



No. 9, Grit and Shell Box

	Compartments	Shipping Weight	Each
No. 45.....	Two.....	2 lbs.....	\$0.40
No. 9.....	Three.....	3 lbs.....	.75
No. 90.....	Four.....	4 lbs.....	1.00

By mail, add Postage



No. 45

MOE'S PIGEON FEEDERS

Pigeons are particular and fastidious feeders with a strong tendency to scatter and waste feed. Moe's round pigeon feeder was especially designed to overcome this.



This feeding trough or bottom is also made on a slant, causing the birds to reach for the food and prevents them from billing the feed out and wasting it.

A practical, economical feeder which will soon save its cost.

No. 106. 6-quart capacity. Shipping weight, 4 lbs. Each.....\$1.20

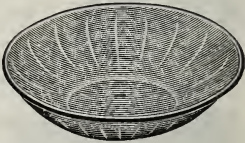
By mail, add Postage

PIGEON NESTS

Made of galvanized iron. Diameter 8 inches with a small hole punched in center so it can be tacked to a board. Generally used in pairs.

Light in weight, yet substantial, and easily cleaned.

Packed 24 in a box, shipping weight, 12 pounds.



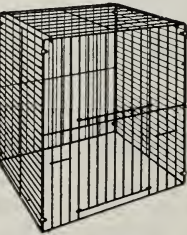
By mail, add Postage

No. 107. Pigeon Nests. Each.....\$0.15
Per dozen.....1.80

EXHIBITION COOPS

These exhibition coops, made of the best galvanized steel wire and sheet metal electrically welded, are the most attractive and best value on the market today. They contain no clips or projecting bolts to break the leathers of the fowl. The doors are large, making it easy to remove the birds or replace them.

The middle partitions are woven close so the birds cannot fight when close together. By removing the middle partition you can combine two or more coops,



as many as desired, for trios or pens. Two coops made in one are large enough for a pen of five birds.

Single coop, 24x24x27 inches high.

Each \$1.75; Dozen, \$20.00.

Pen, 48x24x27 inches high. Each.....\$3.00
Dozen.....35.00

Exhibition coop cups. Each, \$0.20; Postpaid \$0.25.



No. 11 Feeder

MOE'S ROUND BABY CHICK FEEDERS

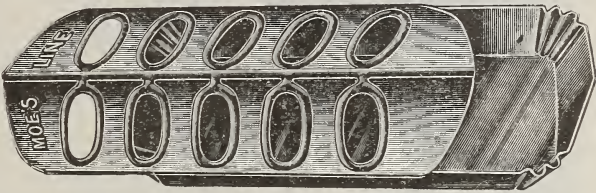
This round feeder is one of the most popular feeders on the market. Made of best quality galvanized iron, accurately stamped with dies and well made in every detail. The top fits snugly, yet the feeder can be easily taken apart for cleaning and filling. It is a great food saver, as the chicks cannot get into the feeder and contaminate the food. The chicks cannot upset it.

- No. 11. Diameter, 6 in., shipping weight, 1 lb. Each.....\$0.10
- No. 12. Diameter, 8¾ in., shipping weight, 2 lbs. Each..... .20
- By mail, add Postage

ALUMINUM FEEDING TROUGHS

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

The trough and top are each stamped in one piece, no seams, rivets or solder used. Sliding Top makes it easy to clean and fill. Made in two sizes.



- | | Length | Shipping Weight | Each |
|-------------|------------|-----------------|--------|
| No. 69..... | 10 in..... | 1 lb..... | \$0.50 |
| No. 70..... | 20 in..... | 1 lb..... | .85 |
- By mail, add Postage

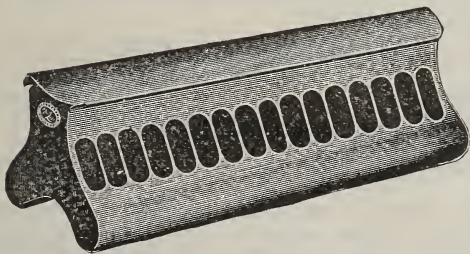
MOE'S DOUBLE FEEDING TROUGHS

Made of best quality galvanized iron. Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies. No rough edges.



- No. 58. Length 12 in., shipping weight 2 lbs. Each.....\$0.25
- No. 59. Length 18 in., shipping weight 2 lbs. Each..... .35
- No. 60. Length 24 in., shipping weight 3 lbs. Each..... .45
- No. 76. Length 36 in., shipping weight 4 lbs. Each..... .60
- By mail, add postage

MOE'S LARGE CAPACITY FEEDERS



A wonderful feeder for young growing stock. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. The birds cannot roost on the cover or sides, so it is impossible to foul the feed.

Has a sliding top cover, easy to fill and clean.

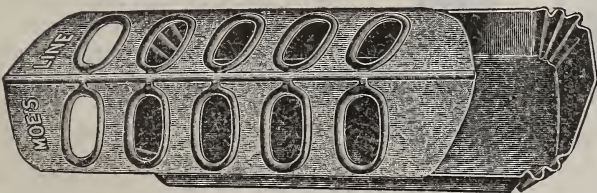
A great time and labor saver where chicks are raised in large numbers.

- No. 140. Made of heavy galvanized iron. Length 21 inches. Width 8½ inches. Height 7 inches. Capacity 10 quarts. 32 feeder openings. Shipping weight, 5 pounds. Price, each, \$1.00.

- No. 141. Made of heavy galvanized iron, capacity 17 qts.; length, 35 in.; width, 8½ in., height, 7 in.; 54 feeder openings. Shipping weight, 8 lbs. Price, each.....\$1.50

By mail, add Postage

MOE'S ECLIPSE FEEDING TROUGHS



A new popular priced feeding trough, made of galvanized iron and intended for chicks and growing stock. The pan and top are both stamped in one piece, no seams, rivets or solder used. Sliding top makes them easy to fill and keep clean. Made in two sizes.

- | | Length | Shipping Weight | Each |
|-------------|------------|-----------------|--------|
| No. 27..... | 10 in..... | 1 lb..... | \$0.20 |
| No. 28..... | 20 in..... | 1 lb..... | .25 |
- By mail, add Postage

PARCEL POST EGG CARRIERS



Farmer's Friend Egg Carrier

FARMER'S FRIEND EGG CARRIER

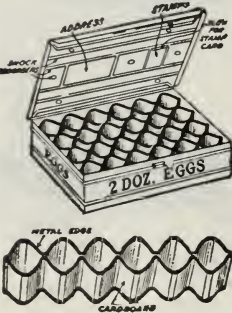
Insures safety of egg transportation through the mails. A boon to poultry raisers everywhere. Light in weight. Strong in construction.

In our Farmer's Friend Egg Carrier you will find one of the most useful and convenient articles that a farmer and poultryman can have. No shipper of eggs can afford to be without these Parcel Post Egg Carriers. The demand from the city markets for fresh eggs is such that it is to the wide-awake farmer or poultryman's interest to be prepared to mail eggs as soon as laid. Parcel postage is cheap, hence big returns await the egg shipper.

The Farmer's Friend Egg Carrier is made with patent lid fastener and equipped with handle as shown in cut.

Capacity	Weights	Each
6 doz.....	5 lbs., postage extra.....	\$1.00
9 doz.....	6½ lbs., postage extra.....	1.10
12 doz.....	8 lbs., postage extra.....	1.20
15 doz.....	9 lbs., postage extra.....	1.30

METAL EGG CARRIERS



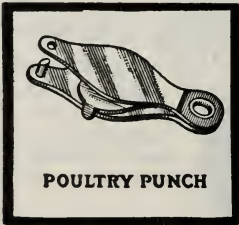
These carriers assure safe delivery of eggs no matter how far they are sent. Being made entirely of metal, they are very durable and will last for years with a little care. Yet they are light and compact and cost very little more to send by mail than any other cases. They are far more economical in the long run than the other styles of cases.

By mail, add Postage

Size	Each	Shipping Weight
2 doz. eggs.....	\$1.50	4 lbs.
3 doz. eggs.....	1.75	4 lbs.
4 doz. eggs.....	2.00	5 lbs.
6 doz. eggs.....	2.50	6 lbs.
9 doz. eggs.....	3.25	8 lbs.
12 doz. eggs.....	4.00	10 lbs.

PETTEY'S PUNCH

With this small punch you can make a small hole thru the web between the toes of the chicks. In this way you can distinguish the chicks. There are sixteen different markings that can be used. The Pettey's Punch will punch a clean hole without bruising the foot. Fits in the vest pocket. A practical and popular punch.



POULTRY PUNCH

Postpaid. Each.....\$0.25

"HANDY" EGG CARRIER



Handy

These boxes are made of heavy cardboard and hold one dozen eggs. They are especially adapted to carrying eggs to customers. If you sell eggs to regular customers these boxes will prove very satisfactory.

	10	25	50	100	500	1000
3x4.....	\$0.15	\$0.35	\$0.60	\$1.00	\$4.75	\$9.00

Shipping weight, 12 lbs. per 100.

By mail, add Postage.

HANDLED SCRAPER



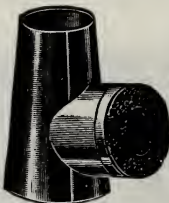
Made of hard, stiff sheet steel. Light in weight, yet strong and durable.

The toothed or rake edge is excellent for cleaning sand or sifted ashes on drop boards. Length of blade, 9½ inches. Width, 4 inches. With 30-inch hardwood handle securely riveted to the blade. Shipping weight, 2 pounds.

No. 51. Handled Scraper. Each.....\$0.45

By mail, add Postage.

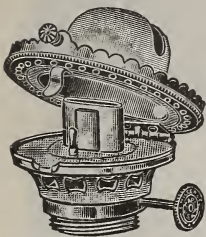
HANDY EGG TESTER



This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg.

By mail, add Postage for 2 lbs. Each.....\$0.25

“SUN HINGED”
LAMP BURNERS

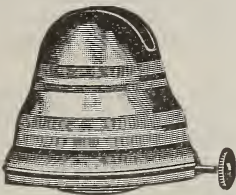


Used extensively by Incu-
bator and Brooder Manufactur-
ers. So designed that perfect
combustion is insured. Easily
cleaned and trimmed.

	Each
No. 1.....	\$0.35
No. 2.....	.40
No. 3.....	.60
No. 2, for No. 3 Chimney.....	.50
No. 3. Double Wick....	.75

“ZENITH” LAMP BURNERS

A “No-Chimney” Burner
for Incubators, Brooders, or
Fountain Heaters, etc. Per-
fect combustion without a
chimney. When used with
our lamp fount the No. 1
burner is suitable for a lamp
box 7 inches high, and the
No. 2 Burner for a lamp box
9 inches high.



No. 1.....	\$0.50	No. 2.....	\$0.65
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MOE’S HIGH-GRADE
FELT LAMP WICKS



A good wick is very
important, especially
when it is in contin-
uous use as on a brood-
er or incubator lamp.
Our wicks are special
high grade red felt, and a big improvement over the old
style closely woven cotton wicks, which often get clog-
ged in the burner shaft. No loose threads to burn un-
even and smoke.

	Width	For Burner	Per Dozen
No. 208.....	5/8 in.....	No. 1.....	\$0.20
No. 209.....	7/8 in.....	No. 2.....	.40
No. 210.....	1 1/2 in.....	No. 3.....	.50

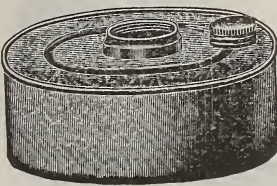
ALUMINUM LEG BANDS

Made of sheet aluminum, with large raised numbers,
easy to read from a distance. Adjustable for any size
fowl. Accurately made and quickly applied. Packed
in paper cartons of 12, 25, 50 and 100 bands each.
Numbered from one up.



12 bands.....	\$0.15	100 bands.....	\$0.65
25 bands.....	.25	500 bands.....	3.00
50 bands.....	.40	1000 bands.....	5.50

MOE’S LAMP BOWLS



Heavy galvanized iron
bowls or founts for In-
cubators, Brooders and
Fountain Heaters. Made
in three sizes. The two
larger ones are strongly
braced and reinforced on
the inside, making the top
and bottom perfectly rigid
No give or spring to the
top which is a common fault with ordinary bowls.

- No. 100. Lamp bowl. Diameter 6 in., height 1 1/2 in.
Has a side handle. Takes size 1 burner. This is the
same bowl as used in our No. 10 Fountain Heater.
Shipping weight, 2 lbs., Each, \$0.50.
- No. 101. Lamp bowl. Diameter, 6 3/4 in. Height, 2 1/4
in. Takes size 2 Burner and size 2 chimney. Ship-
ping weight, 2 lbs. Each, \$0.60.
- No. 102. Lamp bowl. Diameter, 8 in., height, 2 3/4
in. Takes size 3 burner and size 3 chimney. Ship-
ping weight, 2 lbs.. Each, \$0.75.

METAL CHIMNEYS

For Incubators and Brooders. Made
of galvanized sheet steel, with round mica
window. The mica can be easily replaced
if it should accidentally be broken. In
three sizes:



- No. 108. Metal Chimney. Height, 6 in.
Fits size 1 burner. Each, \$0.20.
- No. 103. Metal chimney. Height 6 in.
Fits size 2 burner. Each, \$0.20.
- No. 104. Metal Chimney. Height 6 in.
Fits size 3 burner. Each, \$0.20.

SPIRAL LEG BANDS



Mark your hens and pul-
lets differently. Know what
you are doing. Spiral bands
are made of seasoned cellu-
loid. Last a life-time. Slip
on like a key-ring. Birds
cannot lose them. Light as
a feather. Will not fade.
Colors: black, white, dark
blue, pink, light blue, red,
green, yellow, purple.



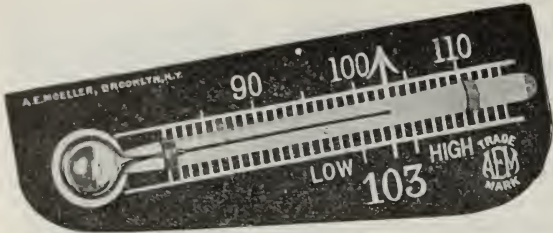
	12	25	50	100
No. 4. Baby chicks.....	\$0.10	\$0.20	\$0.35	\$0.60
No. 6. Pigeons.....	.10	.20	.40	.65
No. 9. Mediterranean....	.15	.25	.40	.75
No. 11. American.....	.15	.25	.45	.85
No. 12. Asiatics.....	.20	.35	.65	1.20

“BANDETTES”



The latest spring clip pattern-
Made entirely of celluloid. Ban-
dettes are strongly made, the num-
bers are indestructible, being im-
pressed in bold type. They are
bevel ended. Bandettes are easy
to put on, being applied like the Spiralet Bands. Ban-
dettes come in the following colors: Red, blue, green,
yellow and pink. Two sizes; Mediterranean (Leghorn)
and American ((Rocks).
25 for 60c; 50 for \$1.10; 100 for \$2.00; 500 for \$9.50.

THERMOMETERS AND HYGROMETERS



All Thermometers sent Postpaid, purchaser's risk

The tested Incubator Thermometer is made in a triangular shape, as shown here, with heavy, black oxidized scale, so that same can be read easily, and lie on the eggs in proper angle. We cannot guarantee safe arrival of any thermometers. Sent at purchaser's risk.

Postpaid. Each.....\$0.75



No. 403 is a new pattern that can be used with perfect satisfaction in any make of incubator. It has a mercury-filled tube and is triple-tested for accuracy. We recommend this thermometer above all others for incubators.

Postpaid. Each.....\$0.75

Hygrometer

This instrument is designed to meet the demand of the practical poultryman for a simple, direct reading gauge which will enable him to keep the amount of moisture in his incubator as near as possible to desired point.

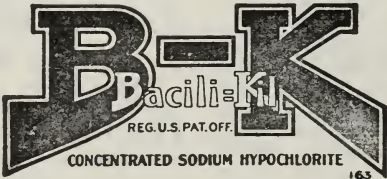
By noting the position of the mercury column, the operator can tell at a glance whether to increase or decrease this amount.

Postpaid. Each.....\$1.00



Brooder Thermometers, 75c each, postpaid.

Clean, Colorless.
Destroys All Odors



Cheap to Use.
Powerful.

A DISINFECTANT AND REMEDY
FOR DOGS, RABBITS, POULTRY AND PIGEONS

B. K. in the Drinking Water will kill germs.

B. K. is a clean, colorless, non-poisonous germ killer. Used in dilution with water. Ten times as powerful a germ killer as undiluted carbolic acid.

B. K. is excellent for sterilizing brooders and incubators. Destroys all strong odors as well as germs.

B. K. for roup and canker. B. K. is a powerful solvent of the matter in which germs of infection live. When used on the sores or tumors of Roup and Canker, B. K. dissolves and cleans out the pus and excretion, kills the germs causing the infection and promotes healing.

B. K. has been used with great success in the treatment of superficial mange. It is much cleaner than any of the tar preparations. B. K. should be in every kennel.

B. K. also is useful around the dairy barn, rabbit-hutches, and even around the home. B. K. destroys any odor with safety.

For washing dogs or poultry for show purposes, we suggest that you try B. K. in the bath water. You will be agreeably surprised with the wonderful results. Buy the larger packages and save money.

Prices

4 oz. Carton.....	\$.35
10 oz. Carton.....	.60
Quart carton.....	1.25
1 gal. jug.....	3.00
5 gal. Jug.....	12.50

**B. K. Cannot
Be Mailed**

NOPCO COD LIVER OIL

Hatch 8 eggs out of every 10 you set. Raise 9 out of every 10 you hatch. Cod Liver Oil will help you do it. Before you can raise a high percentage of chicks, you must first produce eggs of high quality, charged with life-giving vitamins. Increase your egg production during the dark winter months by supplying the "Sunshine" vitamin in cod liver oil. Avoid rickets and leg weakness by starting your chicks on Cod Liver Oil.

Nopco Cod Liver Oil is tested both for purity and vitamin potency. Tests are made on rats to prove the presence of vitamins A and D in satisfactory strengths. Every sample for tests is taken from bulk oil in 12,000 gallon tanks and is kept stirred to in sure uniform quality. Prices have recently been reduced on Nopco Cod Liver Oil, making it cost very little more than inferior untested oils. Prices: **Qt., 75c; 2 qts., \$1.50; gal., \$2.50; 5 gals., \$11.25.** F. O. B. St. Louis, Mo.

K. R. O.

KILLS RATS ONLY is a product that dog owners and poultry raisers are looking for. It is harmless to man, dogs, cats, poultry and other domestic animals. However, K. R. O. is deadly poison to rats and mice. K. R. O. is made of powdered squill which attracts rats and mice. They usually die in the open searching for water. **Price, 75c, postpaid.**

MISCELLANEOUS PREPARATIONS

Water Glass. Recommended for use in preserving eggs. One pint will preserve 6 dozen eggs. **Cannot be mailed.** 1 pt., 20c; qt., 35c; 2 qts., 65c; gal., \$1.25.

"H. W." A liquid tonic and remedy for many diseases of poultry, such as roup, cholera, white diarrhea, etc. **Postpaid, 50c and \$1.00.**

Egg-O-Hatch. A preparation to be used on hatching eggs to reduce the strength of the shell rendering same weak, thereby permitting the chick to break same with greater facility. **Postpaid, 50c.**

Egg-O-Latum. A greasy preparation rubbed on the outside of an egg to preserve same. Egg-O-Latum will keep an egg for a year. One jar will preserve 50 dozen eggs. **Postpaid, 50c.**

DR. LeGEAR'S POULTRY REMEDIES

Prices include postage, except where noted.

Dr. LeGear's Worm Pills (50).....	\$0.50
Dr. LeGear's Worm Pills (120).....	1.00
Dr. LeGear's Chick Tablets.....	.50
Dr. LeGear's Headlice Remedy.....	.25
Dr. LeGear's Lice Powder.....	.25
Dr. LeGear's Fly and Insect Powder.....	.30
Dr. LeGear's Poultry Worm Powder (4 lbs.) (by mail, add postage).....	1.00
Dr. LeGear's Poultry Prescription (by mail, add postage), 1½ lbs., 25c; 3½ lbs., 50c; 8 lbs., \$1.00; 25 lbs., \$3.00.	
Dr. LeGear's Dip and Disinfectant, by express only. Quart, 65c; gal., \$1.75.	

CARBOLA

Carbola is non-poisonous and non-caustic. It is applied with a brush or sprayer and dries pure white. Does not flake or peel off. Carbola kills both germs and vermin. Clean up your poultry house this fall and paint the walls, roosts and nest boxes with Carbola. One pound of Carbola makes 1 gallon disinfecting white-wash cover 200 square feet. **By mail, add postage.** **Trial Pkg., 25 oz., 30c; 5 lbs, 75c.; 10 lbs., \$1.25; 50 lbs., \$5.00.**

Pierce's Lady Hoover Poultry Powder. A laying tonic, moulting food and egg maker. Made by practical poultry people. By using Pierce's Poultry Tonic according to directions an increase in egg production is assured. **Postpaid, ½ lb. pkgs., 65c; 1 lb. pkgs., \$1.00.**

Pierce's Lady Hoover Lice Powder. A lice powder of superior merit. This powder contains a good percentage of sodium fluoride. Pierce's Lice Powder has been used with great success by some of the largest poultry farms in the country. **Postpaid, 50c**

Azoa. A rat poison of superior merit. Azoa creates a disease, amongst the rats, which is contagious, thereby cleaning them out in wholesale quantities. **Postpaid, 50c.**

Schilling's Ant and Roach Powder. A product of great merit in eliminating ants and roaches from the house. **Postpaid, 25c; 50c; \$1.00.**

PIONEER

"O. K." Sanitary



Poultry Litter

PEAT MOSS

Will do for you what it has done for others—

SAVES TIME, LABOR AND MONEY

Used by the largest poultry farms. Need not be changed oftener than twice a year. Keeps the house warm in winter, acting as an insulator. Keeps the

poultry house dry and clean. Owing to its lightness prevents bumblefoot. It makes a valuable fertilizer. Write for booklet. Price per bale, about 190 lbs., \$3.00; per carton, about 3 bushels, \$1.50.

SPRATT'S FOODS FOR DOGS

"THE BACKBONE OF THE CANINE RACE"

The dog constitution needs a dog diet. Table scraps—toothsome and tasty though they may be—are not only totally unsuitable for the physical requirements of the dog, but are more often than not a direct cause of unfitness. The conditions under which dogs are at present bred and reared make necessary a diet which will provide all the food elements contributing to the formation of bone and muscle, the building and storing up of energy, stamina and vitality, and which will assist to maintain the highly organized canine brain. For sixty years Spratt's have made dogs and their requirements the subject of continued observation and research, and today for every dog, old or young, healthy or sick, there is a Spratt's Food guaranteed to suit exactly his requirements. Throughout the world Spratt's Foods are today the diet of millions of the fittest dogs—the diet directly responsible for the alertness, cleanliness, health and good spirits.



Spratt's Fibo. A unique food containing a larger percentage of Spratt's world famous Meat-Fibrine. It is very appetizing and highly recommended for shy or dainty feeders. Can be given either dry or soaked. **Cartons, 40c; bags, 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$3.35; 50 lbs., \$6.35; 100 lbs., \$12.50.** By mail, add postage.

Spratt's Meat Fibrine Puppy Biscuits. A complete and perfect food for puppies from weaning time onward, and for small breeds as the regular food instead of Spratt's larger Dog Cakes. **Cartons, 40c and 75c; bags, 5 lbs., 80c; 10 lbs., \$1.50; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.** If wanted by mail, add postage.

Write for Spratt's free book on "The Care and Feeding of Dogs"

Alki-Lac Bone Builder. Makes puppies grow strong and healthy. A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Alki-lac takes the place of green-bone feed and prevents acid milk and rickets or softening of the bones.

Alki-lac is not a complete food in itself, but a small amount being used in conjunction with the regular food. **1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75.** By mail, add postage.

All prices subject to change without notice.

Spratt's Plain Puppy Meal. The standard Weaning Food. This meal should be used before, during and after the weaning period to insure large, vigorous and healthy puppies. Also an invaluable food for dogs of any age out of condition. **Cartons, 40c; 5 lbs., 65c; bags, 10 lbs., \$1.25; 25 lbs., \$2.60; 50 lbs., \$4.95; 100 lbs., \$9.75.** If wanted by mail, add postage.

Spratt's Rodnim. The twice-a-week change from hard biscuit. Rodnim can be given dry, soaked in water, broth or gravy, or mixed with boiled chopped green vegetables. A fine food for old dogs whose teeth are out of condition. **Bags, 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.25; 50 lbs., \$6.05; 100 lbs., \$11.90.** By mail, add postage.

Spratt's Ovals (The Pocket Dog Biscuit). A small Meat-Fibrine Dog biscuit, suitable as a staple diet for small dogs and toys, and to be carried on a ramble with the dog. **Cartons, 40c; bags, 5 lbs., 80c; 10 lbs., \$1.50; 25 lbs., \$3.00; 50 lbs., \$5.70; 100 lbs., \$11.25.** By mail, add postage.

Spratt's Meat Fibrine Dog Cakes. For 60 years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. The best results are obtained by giving the biscuit dry, not soaked, thereby compelling the dog to gnaw the food and thus producing a copious flow of saliva which materially aids digestion. **Cartons, 35c and 75c; bags, 5 lbs., 70c; 10 lbs., \$1.35; 25 lbs., \$2.85; 50 lbs., \$5.45; 100 lbs., \$10.75.** If wanted by mail, add postage.

Shep's Dog Soap. Shep's Dog Soap is the finest soap that can you use on your dog. Kills fleas, keeps the coat glossy and eliminates the "doggy" odor. An excellent soap for show dogs. **Price, 25c, postpaid.**

Clotrate. A cod-liver oil concentrate. In Clotrate there is no danger of exposure of Vitamin A to oxidation, rancidity and loss of potency. Clotrate guards against disease by building up the natural resistance of the animal. Clotrate is of special interest to dog breeders because of its insured vitamin content. Clotrate is supplied at the following postpaid prices:

45 Tablets.....	\$0.50	450 Tablets.....	\$4.00
200 Tablets.....	2.00	1000 Tablets.....	7.50

WONDERFUL

“P. H.”

World’s Greatest Animal Conditioner
and Worm Expeller

Given to the Animals with its Food

DOGS
RABBITS
PIGS
POULTRY
HORSES
CATTLE
SHEEP
GOATS



FOXES
MINK
MARTEN
OPOSSUM
RACCOON
FISHER
BADGER
FITCH

70% of all your live stock losses are caused by WORMS. Get rid of these profit-eating, blood-sucking pests—they keep your animals in a run-down, runty, unthrifty condition. Worms sap their strength, spoil their digestion and make them easy prey to dangerous diseases. Remember, worm-infested animals are usually the first to be stricken when dangerous diseases break out, and least likely to recover, while healthy, worm-free animals are not only in the best possible condition to escape diseases, but stand a far better chance to recover if attacked. Put every animal on your place in a healthy condition, so that they will get full benefit of high-priced feed—No Pilling Necessary.

“P. H.” is the most beneficial Conditioning Tonic that it is possible to administer to animals, it contains all the highly mineral salts and valuable food elements that are in grass and roots which is nature's ideal food, and it perfectly counteracts all those disease producing properties of so many artificial foods. It stimulates their appetite, enriches their blood, and fortifies their system against infectious diseases, and is guaranteed not to injure any stock that it may be given to, even if fed in excessive doses, but does only and always the greatest good possible, and the marvelous and wonderful power that “P. H.” possesses astonishes all who use it.

“P. H.” is the greatest discovery made for the successful elimination of Intestinal Parasites and digestive disturbances in animals without the necessity of pilling or handling of the animal, but simply by administering it to the animal with its food, and is a much safer and easier way of eliminating these parasites than by administering the usual worm pills which is no pleasant job either for the animal or the operator and which is so severe on the constitution of the animal and especially on young stock, each organ of the animal, the kidneys and the liver especially are compelled by “P. H.” to do its appointed work and it causes the intestinal canal of the animal to become uninhabitable to worms and will expel same and prevent others from establishing themselves without any set-back to the animal. It should be given freely to all adult animals and to females during the gestation period as it will free them of

thees Intestinal Parasites so that when the young are born it will eliminate the danger of them becoming affected from the Mothers, then after they are weaned “P. H.” should be given to them regularly along with the adults, and you will find that they will grow up splendidly, nature and develop to the very highest standard.

“P.” H. is used by the largest dog kennels in this country and abroad. Show dogs are conditioned with “P. H.” and are kept in the pink of condition at all times by regular use of “P. H.”, Owners of racing greyhounds have found “P. H.” a wonderful conditioner and wormer for these dogs that must be in top condition to win.

“P. H.” is economical to use, as you will save more than the slight cost of “P. H.” in food, as your animal will get the full benefit of its food thus effecting a sufficient saving in the feed bill to more than pay for the “P. H.” used. “P. H.” is a positive necessity to every large kennel.

“P. H.” is the cheapest form of health insurance that you can secure.

Delivered Prices of “P. H.”	
1½ lb. tins.....	\$ 1.75
3½ lb. tins.....	3.50
7 lb. tins.....	5.75
28 lb. tins.....	18.75
84 lb. cases.....	57.50
112 lb. cases.....	68.00

CANNED MEAT FOODS FOR DOGS

Ken-L-Ration. Can be used as a complete food or you can make a soup and pour it over Spratt's Kibbled Biscuits. Ken-L-Ration is rich in meats, cereal, ground bone and cod-liver oil. An appetizing food that will keep your dog in perfect condition. Price, 1 lb. can, 15c; 8 cans, \$1.00; 48 cans (case) \$5.90; 7 lb. can, 85c; 6 cans (case) \$5.00.

By mail, add postage

Hemo-Ration. A blood making food, especially recommended for breeding animals of both sexes. For Anemic or convalescent animals it is invaluable. Hemo-Ration carries a large percentage of cod-liver oil and is rich in organic iron and Calcium Phosphate. Can be used as a complete food or with Spratt's Kibbled Biscuits. Price, 1 lb. can, 15c; 7 cans, \$1.00; 48 cans (case) \$6.50; 7-lb. can, 85c; 6 cans (case) \$5.00. By mail, add postage.

Pup-E-Ration. Contains red meat, organic iron calcium phosphate, Norwegian Cod-liver Oil and marrow fat—the elements necessary for growth of body and coat. A perfect food for puppies. Also excellent for pregnant bitches. Price, 1 lb. can 15c; 7 cans \$1.00; 48 lbs. (case) \$6.75; 2½ lb. can 40c; 6 cans \$2.25; 18 cans (case) \$6.50. By mail, add postage.

Maro-Meat. A clear, lean meat and marrow product designed to meet the requirements of large kennels for a concentrated basic meat food that is of the best possible quality and low in price. Maro-Meat is highly concentrated and must be fed with other material. For this purpose we recommend Spratt's Kibbled Biscuits. A 2½ lb. can of Maro-Meat supplemented with water and Kibbled Biscuits will make 8 to 12 lbs. of appetizing nourishing food for kennel use. Price, 1 lb. can, 20c; 6 cans, \$1.00; 48 cans (case) \$7.20. 2½ lb. can 45c; 18 cans (case) \$7.25. By mail, add postage.

DOG MEDICINES

We can supply Glover's, Sergeant's, Dent's, Delcreo, Clayton's, Crisp's and Dr. LeGear's dog remedies. We will gladly mail you booklets published by the manufacturers of the above mentioned lines of remedies.

SPRATT'S DOG MEDICINES

(Price Includes Postage, Except Where Noted)

Sulfur Tablets.....	\$0.60
Tablets for Dogs or Puppies showing a tendency to weakness in joints.....	.60
Aperient Biscuits.....	.60
Wheezing Tablets.....	.60
Stomach Sedative Tablets.....	.60
Calcium Phosphate.....	.75
Canine Elixir.....	1.00
Cod Liver Oil Capsules, for the purpose of overcoming Vitamins A and D deficiencies, resulting perhaps, from lack of sunshine, etc.....	.60
Nerve Sedative Tablets.....	.60
Alternative Tablets.....	.60
Cough Tablets.....	.60
Chemical Mixture.....	1.00
Tablets for Constipation.....	.60
Digestant Tablets.....	.60
Astringent Tablets for Dogs.....	.60
"Special" Tablets—A Diuretic and Stimulant.....	1.00
Dip Disinfectant.....	.60
Ear Canker Ointment.....	.75
Eye Lotion Tablets.....	.60
Ointment for superficial varieties of Mange and certain forms of Eczema.....	.60
Flea Powder.....	.30
Salve for the Hair.....	.60
Special Cathartic Tablets for stimulating flow of bile.....	.60
Diuretic Tablets.....	.60
Liniment.....	.60
Laxative Tablets.....	.60
Mange Medicine.....	.75
Mouth and Throat Wash.....	.75
Expectorant or Stimulant for irritations of the upper respiratory tract.....	.60
Purgative Tablets.....	.60
Tablets for muscular aches and soreness due to exposures to colds and dampness.....	.60
Tape Worm Tablets.....	.60
Tonic and Condition Tablets.....	.60
Capsules for Ascarids and large round worms in dogs.....	.60
Capsules for Ascarids and large round worms in puppies.....	.60
Tonic and Condition Tablets for Toy Dogs and Puppies.....	.60
"Special" Tablets for Toy Dogs and Puppies.....	1.00
Dip Disinfectant..... ½ gal. cans, \$2.00. 1 gal. cans.....	4.00
Mange Medicine..... ½ gal. cans, \$2.00. 1 gal. cans.....	4.00
Ointment for superficial varieties of Mange and certain forms of Eczema..... 1 lb., \$2.00. 2 lbs.....	4.00
Capsules for Ascarids and large round worms in Dogs.....	5.00
Capsules for Ascarids and large round worms in Puppies.....	5.00
These packages contain 15 times the quantity packed in 60c package.	

TETRACHLORETHYLENE

For Hook and Round Worms

We can supply this safe, effective anthelmintic in the following sizes:

SIZE A—0.2 cc (3 minims)

Puppy and Toy Dog Size

25 capsules.....	\$0.50
60 capsules.....	1.00
200 capsules.....	2.50

SIZE B—1 cc (16 minims)

Large Puppies and Dogs

16 capsules.....	\$0.50
40 capsules.....	1.00
260 capsules.....	5.00

SIZE C—2 cc (32 minims)

Large Dogs

12 capsules.....	\$0.50
30 capsules.....	1.00
200 capsules.....	5.00

SIZE B & C (Assorted)

B—1 cc (16 minims)

C—2 cc (32 minims)

8 B capsules.....	\$0.50
6 C capsules.....	
20 B capsules.....	
15 C capsules.....	
125 B capsules.....	5.00
100 C capsules.....	

Write for free booklet on the "Treatment of the Hookworm disease in Dogs."

MAGNESIUM SULPHATE CAPSULES

Inasmuch as it is often difficult to secure the proper purgative for your dog after giving the tetrachlorethylene capsules, we have put up these magnesium sulphate capsules.

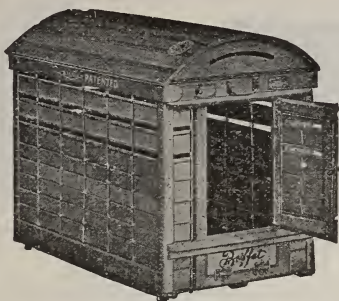
Small package (12 capsules).....	\$0.50
Medium package (30 capsules).....	1.00
Large package (200 capsules).....	5.00

TAPEWORM TABLETS

Small pkg. 10 tablets.....	\$0.50 postpaid
Medium pkg. 50 tablets.....	2.00 postpaid
Large pkg., 100 tablets.....	3.00 postpaid

Spratt's Medicines are always kept up to the level of the most scientific investigation and have been used with success all over the world, but in cases where further advice or treatment is indicated, do not hesitate to consult your local Veterinarian.

BACKUS PULLMAN CRATE BACKUS "HUNTER STYLE"



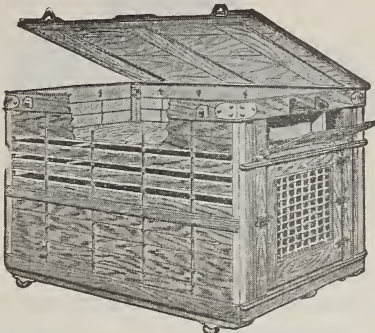
For Shipping Dogs with Greatest Possible Convenience Comfort and Luxury—Handsome Dog Crate Made.

All the fittings and hardware used are solid brass, also brass door knobs with padlock. Has buffet for feeding and galvanized iron water cup fillable from outside of crate. Removable false bottom for cleaning, perfectly ventilated, substantially made, very light and extra handsome in appearance.

Inside Measurements			
Long-wide-high	Weight		
No. 1—24 x 16 x 18.....	30 lbs.....		\$27.50
No. 2—30 x 19 x 22.....	37 lbs.....		28.50
No. 3—36 x 22 x 26.....	56 lbs.....		29.50
No. 4—42 x 24 x 32.....	73 lbs.....		36.50
No. 6—33 x 26 x 28.....	62 lbs.....		34.50

Size Shipping Crates to Order

- No. 1—Pullman or No. 91 Utility—For Fox, Boston, Scotch and Sky Terriers, Cocker Spaniels, Bull Dogs, Beagles and the like.
- No. 2—Pullman or No. 92 Utility—For Bull, Irish and Airedale Terriers, and small size Pointers, Setters and Collies.
- No. 3—Pullman or No. 93 Utility—For Setters, Pointers and Collies.
- No. 6—Pullman—For two Pointers, two Setters, or two Collies.
- No. 4—Pullman or No. 94 Utility—For Greyhounds, Wolfhounds Police Dogs and small size Great Danes.



This crate is made especially for Hunters and also for Show men who prefer a crate in which they can ship their dog and also paraphernalia that might be required on a trip; the Hunter, his gun and ammunition—the Showman, his brushes, combs, chains, blankets, etc., for keeping his dog in condition at the show.

Perfectly Ventilated

As illustrated, this crate, besides having the regular place for the dog, also has a compartment in which many things can be carried. This compartment has a hinged cover on the top and two hasps for fastening cover. Perfect ventilation for the dog, general construction of crate similar to our celebrated style.

Made only in one size for Setter or Pointer dog. Place for dog measures inside, 36 in long, 21 in. wide, 26 in. high. Compartment on top measures inside, 33 in. long, 21 in. wide, 6 in. high. Each.....\$30.00

Crate is equipped as follows: Has drinking cup which can be filled from outside of crate. Receptacle for food with spring door. False bottom which can be removed for cleaning. Rollers on bottom. One padlock for door.

BACKUS UTILITY DOG SHIPPING CRATE

Corners are ironed and riveted and will not pull apart. Heavy iron mesh in door and opening in back for ventilation. Light in weight and stands the roughest usage.

Inside Measurements			
Long-wide-high	Weight		
No. 91—24 x 16 x 18.....	24 lbs.....		\$10.00
No. 92—30 x 18 x 22.....	37 lbs.....		11.50
No. 93—36 x 22 x 26.....	47 lbs.....		12.50
No. 94—42 x 24 x 32.....	60 lbs.....		17.50

DOG CARRYING BASKET

Made of French imported willow ware. Light in weight. These baskets have a door in the side and are ideal for carrying a dog. Made in 3 sizes.

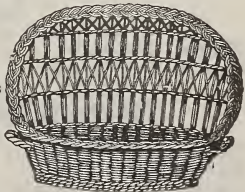
	Long	Wide	High	Price
No. 1.....	17 in.....	10½ in.....	10 in.....	\$3.50
No. 2.....	19 in.....	13 in.....	11 in.....	4.75
No. 3.....	22½ in.....	15 in.....	14 in.....	6.00

WILLOW SLEEPING BASKET

For Dogs and Cats. Keeps Them from Sleeping on Beds, Chairs, Etc.

Animals prefer their own beds same as humans. Better for them and you. No hairs on furniture, no mud prints. Made from finest imported French swamp grown willow. Can be lined to keep off drafts and little night drop curtains can be hung from top edge. Light, strong, durable.

	High	Long	Wide	
No. 1—Tiny.....	17 in.....	16 in.....	11 in.....	\$3.00
No. 2—Small.....	18 in.....	17 in.....	12 in.....	3.50
No. 3—Medium.....	20 in.....	19 in.....	13 in.....	4.00
No. 4—Large.....	22 in.....	22 in.....	14 in.....	4.50
No. 5—Extra large.....	24 in.....	24 in.....	16 in.....	5.00



ITEMS ON THIS PAGE SHIPPED BY EXPRESS ONLY

SPRATT'S WIRE DOG BRUSHES



All wire, 3¼ inches by 6 inches.....\$1.25
Wire and fiber, 3¼ inches by 6 inches..... 1.25
No. 28. Wire and hair, 2½ inches by 5¼ in.... 1.50

PENETRATING BRUSH FOR DOGS

(Domestic)

Woodback, small, 3x6.....\$1.50
Leather, small size, 3x6..... 1.50
Made from best quality gray Russian Akatka bristles.
The best all-round brush ever offered to the public.

DOG COMB OR RAKE



Single or double rows of teeth. Especially suited for French Poodles and rough-coated dogs.
Each, Single \$1.00; double, \$1.25.

COMBINATION DOG BRUSH AND COMB



Most suitable for rough-coated dogs, horses' manes, etc. Invaluable to the kennel and stable.
Each.....\$1.50

NICKEL-PLATED NAIL NIPPERS

(As Illustrated)

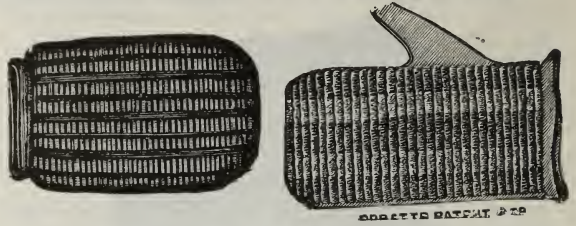


No. 665. Domestic.....\$1.25
Spratt's Nail Nippers..... 3.00

FRENCH PATENT SNAPS

No. 0. (Tiny) Each.....\$0.40
No. 1. (Small) Each..... .45
No. 2. (Medium) Each..... .50
No. 3. (Large) Each..... .55

DOG GLOVES

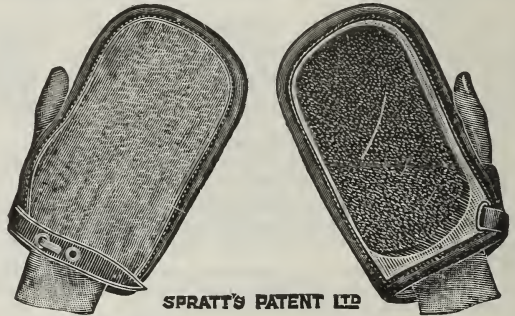


Unrivalled for producing a healthy, sleek, and glossy surface on the coats of Greyhounds, Foxhounds, Bull-dogs and other smooth coated dogs.

When ordering single gloves specify whether right or left-handed glove is desired.

Hair on two sides.....\$2.50
Hair on one side only..... 1.25
Washing gloves..... .40

SPRATT'S WIRE FIBRE DOG GLOVES



The advantages claimed by this glove are efficiency, cleanliness and durability. Especially suitable for Greyhounds. Cocker Spaniels, Bulldogs, Great Danes, Shepherds and Wire-haired Dogs.
Each.....\$3.00

PATENT FLEXIBLE DOG BRUSH

Especially suitable for Greyhounds, Danes and close-coated dogs. This brush, which is made from flexible wire, with a rubber back, commends itself to all Exhibitors of Show Dogs, and others.
Each.....\$1.75

WALLEY'S DRY CLEAN PATENT DOG BRUSH

Walley's Brush and metal holder, complete.....\$1.50
Antiseptic dry clean powder, per tin..... .30

SPRATT'S DOG COUPLES (Imported)

Order by Number.



	No. 00	No. 1	No. 3
	Toy	Large	Bull
Suitable for.....	Dogs	Terriers	Dogs
Nickel-plated.....	\$1.00	\$1.00	\$1.25
	No. 0	No. 2	No. 4
	Small	Collies	Great
Suitable for.....	Terriers	Setters	Danes
Nickel-plated.....	\$1.00	\$1.00	\$1.75

All Prices Subject to Change Without Notice

COMBS

Best Nickel-Plated Steel Combs (Imported)



7 inches long

- No. 1. Coarse teeth.....\$1.75
- No. 2. Medium teeth.....1.75
- No. 3. Coarse and fine teeth.....1.75
- No. X. Very coarse.....1.75

These are suitable for Collies, Setters, etc.



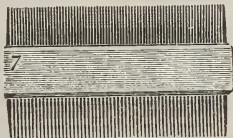
4 inches long

- No. 4. Coarse.....\$1.25
- No. 5. Medium.....1.25
- No. 6. Fine.....1.50
- No. 0. Flea Comb.....1.50

These are suitable for Terriers, Spaniels, etc.

No. 6 is the celebrated flea comb, used on cats and dogs, recommended by leading breeders.

- No. 7. Nit comb; double row teeth, one side fine teeth, other side very fine.....\$1.75



- No. 8. Tiny comb. Very fine teeth.....\$1.00
- No. S. Flea comb. Long teeth.....1.50

Note—We can recommend Nos. 7, 00 and 8 as being most effective for ridding short-haired cats and dogs of fleas.

Solid Steel Stripping Comb No. 9



- No. 9. Solid steel stripping comb for Terriers, etc., each.....\$1.00
- No. 14. Stripping comb, same as No. 9, but has teeth on two sides, with leather case.....1.50

Solid Steel Stripping Comb with Horn Handle No. 10



Very fine short teeth, most suitable for combing Fox and Irish Terriers, each.....\$1.50

Combination Pocket Terrier Stripping Comb and Knife

This combination stripping comb surpasses anything introduced for kennel convenience where rough or wire haired dogs are cared for. As illustrated, each.....\$2.00



Stripping Combs

- Taylor Adjustable, Single.....\$1.75
- Taylor Adjustable, Double.....2.00
- No. 11. Folding.....1.75

Nickel-Plated Steel Flea Comb with Wood Handle



- No. 6A. Each.....\$1.75

Imported Steel Combs No. 9

(Nickel-plated), with handle, for rough-coated dogs.....\$1.50

BRUSHES

Special Brush for Toy Dogs and Cats



An imported brush for Yorkshire Terriers and silky-coated toy Dogs and Cats. Made from the best Russian bristles. Will last for years.

- No. 58A. White Bristle, as illustrated.....\$3.25
- No. 59B. Black Bristle, as illustrated.....2.50
- No. 60. Gray Bristle, as illustrated.....2.00
- No. 59A. White Bristle, large.....3.50

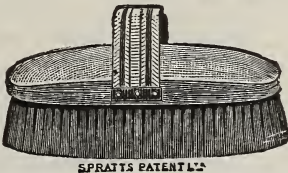
Slanting Bristle Brushes



These brushes are invaluable for Bulldogs, Terriers and other smooth-coated dogs.

- No. 1-25. Slanting Bristle Brush, with handle (as illustrated).....\$1.75
- No. 22. Slanting Bristle Brush, small (as illustrated).....1.75

Whalebone Brushes



Suitable for Collies, St. Bernards, Setters, and other rough coated dogs.

- No. 38X. (As illustrated).....\$2.25
- No. 9. (With handle).....1.75
- No. 42.....1.50
- No. 40. (With handle).....1.50
- No. 50. (Small for Terrier)......85

The "Pneumatic" Toy Dog Brush No. F-131



With handle. Stiff bristles, in rubber. As illustrated. Each.....\$2.25

EXTRA QUALITY LEATHER LEADS

RUSSET

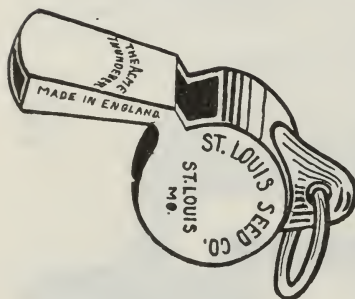
HAND STITCHED—IMPORTED FRENCH SNAP



Made of Best Bridle Leather

	Flat	Round		Flat	Round
$\frac{1}{4}$ -inch.....	\$1.00	\$1.75	$\frac{1}{2}$ -inch.....	\$1.25	\$2.50
$\frac{3}{8}$ -inch.....	1.15	2.00	$\frac{5}{8}$ -inch.....	1.40	3.00
$\frac{3}{4}$ -inch.....				Flat	Round
				\$1.55	\$3.25

“ACME THUNDERER” WHISTLE



We believe that the “Acme Thunderer” is the best whistle made. It is very loud and is easy to blow. The “Acme Thunderer” can be heard at a great distance.

Most professional field trial handlers use “Acme Thunderer”. If you have a wide-going dog or an independent

hunter that gets lost, this is the best whistle to use. Owing to the fact that we import these whistles in large quantities, we can sell them at a reasonable price.

Small whistle. Postpaid	\$0.50
Medium whistle. Postpaid .....	.65
Large whistle. Postpaid .....	.75
De Luxe whistle. Postpaid .....	.90
Acmeoid (Bakelite). Postpaid .....	.50

DOG MATS

Every dog should be provided with a comfortable, sanitary bed. The health and well-being of your dog, however, is not all. It is important that you and others in the home should be protected against unsanitary conditions. In construction, shape and materials, this Dog Mat provides the maximum of comfort and cleanliness. Oval in shape and built of a special patented material, with soft, brushy surface. Light brown center with dark brown border, bound with braid. Very attractive, durable and light. Has a concave top surface with sloping raised and cushioned edge. This serves as a head and neck rest, enabling the dog to sleep and relax as nature intended, and also protecting him from drafty floors.

Small Size. For dogs the size of the average Boston Terrier.....	\$5.00
Medium Size. For dogs the size of the average Airdale.....	7.00
Large Size. For dogs the size of the average Shepherd.....	9.00
Deodorizer (Liquid treatment), 16 oz. can	1.00

Can be sent by express only.

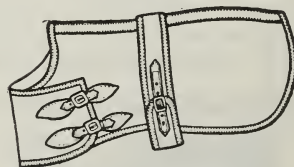
HORN WHISTLE



These whistles are made of buffalo horn and serve very well for hunting dogs that do not go wide. They are not as loud as the “Acme Thunderer” but many sportsmen like them because there is no danger of their freezing to one’s lips in cold weather.

Buffalo horn whistle. **Postpaid**\$0.60
Dog Head horn whistle. **Postpaid** . .60

BLANKETS



Extra Quality

10-in.....	\$2.00	16-in.....	\$3.00
12-in.....	2.25	18-in.....	3.50
14-in.....	2.50	20-in.....	4.00

PLAYTHINGS FOR YOUR DOG

Spratt’s Sorbo Ball. A rubber ball of exceptional toughness. Excellent for retrieving as its spongy center will not hurt the dog’s teeth. **Price, 40c, postpaid.**

Rubber Bone. An exact imitation of a bone, made of rubber. Excellent for teething pups or for retrieving. **Price, 25c, postpaid.**

Sani-Bone. A real smooth bone, boiled in salts and oil to give it additional toughness. Appreciated by all dogs. **Price, 75c, postpaid.**

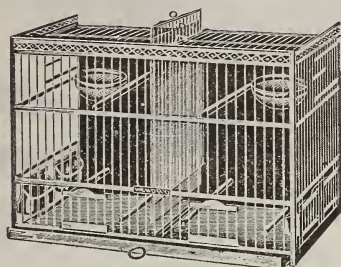
Large Catnips. Shaped like a cat-head. Made of tough rubber. Has whistle inside. A most interesting plaything. **Price, \$1.00, postpaid.**

Small Catnips. **Price, 50c, postpaid.**

CANARY BIRD SUPPLIES

BREEDING CAGES

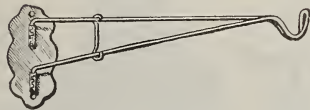
Japanned cages with solid and wire partitions, metal drawer and closed back. Come complete with four glass cups, six perches and two nests. These cages are all metal and are absolutely vermin proof.



	Long	Wide	High	
No. 86-S.	17½-in.	8¾-in.	14-in.	\$5.00
No. 86.	19½-in.	10-in.	14¾-in.	5.75
No. 87.	22-in.	11-in.	16¼-in.	6.50
No. 88.	25½-in.	12½-in.	17-in.	7.25

BIRD SUPPLIES

Cage Brackets and Springs



No. 224. Nickered, 8 inch.	Each	\$0.15
Postpaid		.17
No. 3710-B. Brass, 10-inch.	Each	.25
Postpaid		.27
No. 3712-B. Brass, 12-inch.	Each	.35
Postpaid		.37
Cage Springs. Single heavy.	Each	.25
Postpaid		.27
Cage Springs. Double heavy.	Each	.25
Postpaid		.27
Bird Nests.	Each	.15
Postpaid		.17

GOLD FISH SUPPLIES

SPRATT'S GENUINE WAFERS. The food in general use for gold fish. Made of finest rice flour. Price, 10c per pkg; by mail, 12c.

EIGHTEEN KARAT FISH FOOD. A balanced mixture of animal and vegetable matter for all aquarium fishes. Price, 15c per tin; by mail, 17c.

UNIVERSAL FISH FOOD. An imported food consisting entirely of animal matter. Price, 20c per pkg., by mail, 22c.

ANACHARIS. The best moss for growing in an aquarium. Grows easily and supplies oxygen and food to the fish. Price, 15c per bunch; by mail, 17c.

DIP NETS. A useful article when fish must be handled. Wooden handle, fine mesh. Price, 20c; by mail, 25c.

PEARL CHIPS. Pure white, polished white clam shells. No rough edges. Useful in beautifying your aquarium. ½ pt., 10c; 1 pt., 20c; 1 qt., 35c; by mail, add postage at rate of 1 lb. per half pint.

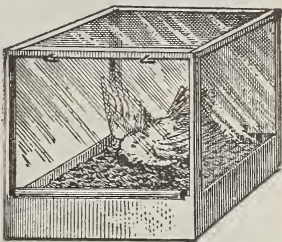
COLORED CHIPS. These chips are dyed with a dye that will not come off in the water and is absolutely harmless to the fish. ½ pt., 15c; 1 pt., 30c; 1 qt., 55c; by mail, add postage at the rate of 1 lb. per half pint.

CAGE ACCESSORIES

Bath House. White enameled tin with removable glass sides. To use, open door of cage and attach. Fits any cage Bird cannot spill water in cage.

Each, 65c
Postpaid, 75c
Tulip cups, opal or glass.

Each, 15c
Postpaid, 18c
Shell cups, opal or glass.
Each, 15c
Postpaid, 18c



Canary Bath House

Single Point Cups, opal.	Each	\$0.15
Postpaid		.18
Opal Bird Baths.	Each	.15
Postpaid		.18

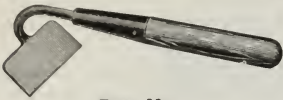
ST. ANDREASBERG BIRD SPECIALTIES

St. Andreasberg Bird Joy, per cube	\$0.15
By mail	.17
St. Andreasberg Bird Seed, per lb. pkg.	.25
By mail, add zone postage for 2 lbs.	
St. Andreasberg Bird Cordial, per bottle	.25
By mail, 30c.	
St. Andreasberg Song Restorer, per bottle	.25
By mail, 30c.	
St. Andreasberg Bird Gravel, per pkg.	.15
By mail, add zone postage for 4 lbs.	
St. Andreasberg Mite Powder, per pkg.	.15
By mail, 20c.	
St. Andreasberg Bird Salve, per tin	.15
By mail, 17c.	
St. Andreasberg Nestling Food, per pkg.	.25
By mail, 30c.	
St. Andreasberg Nesting Hair, per pkg.	.10
By mail, 12c.	
St. Andreasberg Shell Producer, per pkg.	.20
By mail, 25c.	
St. Andreasberg Feather Restorer	.25
By mail, 28c.	
St. Andreasberg Cuttle Bone, with holder	
Postpaid	.20
St. Andreasberg Cuttle Bone, Postpaid	.10

Write for St. Andreasberg Free Bird Book.



Asparagus Knife
Asparagus Knife. Highest grade crucible steel, highly polished blade, 7 $\frac{3}{4}$ inches long, 1 $\frac{1}{4}$ inch blade. Fastened by two rivets in highly polished hardwood handle. Each.....\$0.50



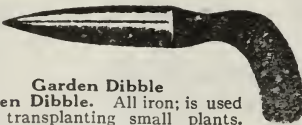
Beet Hoe
Beet Hoe. A handy little tool for gardeners to thin out lettuce, beets and other small vegetables. 8 inch handle. Each.....\$0.50



Socket Garden Trowel No. DST.
 Blade forged from one solid piece of high-grade steel, tempered and polished. Price.....\$1.00



Garden Trowel. One solid piece of steel and will outwear all others. Fine for transplanting. Each.....\$0.60



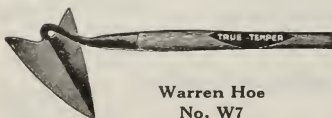
Garden Dibble
Garden Dibble. All iron; is used for transplanting small plants. Has polished steel point. Each.....\$0.85



"McKenney" Tree Pruners

Number 1 has two cutting blades, drop forged from tool steel. The handles are of steel and the hand grip designed so that it may be carried on the belt. Length, 23 inches. Each.....\$4.50

Number 2 cuts limbs 1 $\frac{1}{4}$ inches in diameter easy and perfect. Same as No. 1, only larger. Each.....\$6.50



Warren Hoe No. W7
 For opening seed rows, covering seed, hilling, cultivating, and weeding. Has more uses than any other hoe made. Each.....\$1.50

GARDEN IMPLEMENTS



Acme Weeder or Hand Cultivator
 Combination hoe and cultivator combined. Made of solid steel. Each.....\$1.25



Garden Rake
 All steel, with short teeth, for walks and driveways. 16 teeth. Each.....\$1.50

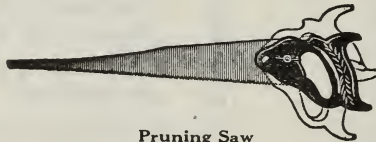
Lawn Rake, Ole Olsen. The wooden teeth in this rake are mortised through the head and clinched in a way that holds them absolutely tight and rigid. 26 teeth. Each.....\$1.75



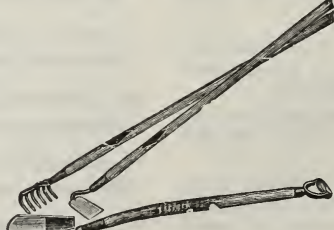
Garden Hoe
 Highest grade crucible forged steel, oil tempered polished blade. 6 $\frac{1}{2}$ inch blade. Each.....\$1.00



Grass Shears
 For trimming edges on walks or borders. The best made. Each.....\$1.00



Pruning Saw
Pruning Saw. Highest grade crucible steel, polished and etched blade with adjustable cherry-wood handle. 14 inch blade. Each.....\$1.25



Garden Set. Three pieces; Shovel 6x4 $\frac{3}{8}$ inch blade, 42 inches. Handle Hoe, 4x3 $\frac{1}{2}$ inch blade, 48 inch handle; Rake, 5 $\frac{3}{4}$ inch head with 6 2 $\frac{1}{4}$ inch bent teeth. Per Set.....\$2.00



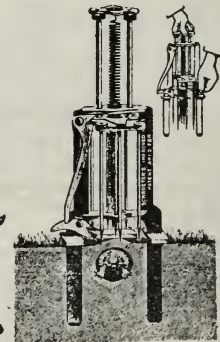
Brume Rake No. FBR22
 A light, strong lawn broom, with flat, tempered spring steel teeth. Also used for gathering excelsior or litter from factory or store floors. Price, Each.....\$1.00



Hand Spading Fork
Hand Spading Fork. These forks are well made. The tines are polished about half-way and adjoining part enameled blue. 11 inch. Each.....\$0.40



Hedge Shears
Hedge Shears, No. 54. 9 inch, with notch. The "notch" is at the heel of the blades, for cutting small branches.....\$2.00
 6 inch, No. 34.....\$1.00



Mole Trap

Is designed particularly for the trapping of Ground Moles. This trap is a type in which a spring actuated member, provided with sharp-pointed prongs is reciprocatingly mounted on a stationary frame or supporting structure and is held in an elevated position by a latch or trigger mechanism that is adapted to be tripped by a mole traveling through a furrow in the ground where the trap is located. Each.....\$2.00



Potato Hook
Potato Hook. Highest grade crucible forged steel tumbled finished prongs, oil tempered and carefully tested; bent head. Each.....\$1.25

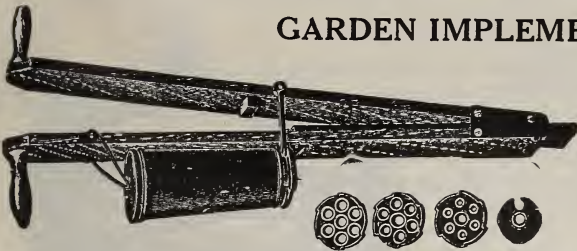


Pruning Shears
Pruning Shears. Very strong steel blades and good spring. Each, No. 30, 75c; No. 130, \$1.00; No. 172, \$1.50.



Flat Top Turf Edger, No. 40F
 This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. Each.....\$1.25

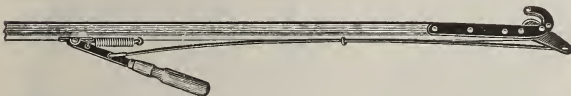
GARDEN IMPLEMENTS---Continued



Corn Planter. The Eclipse Rotary has positive feed. Four changes of disc (one disc for seed or broom corn). No planter is complete without wheel to drop one grain to replant drilled corn. **Each.....\$2.00**



Edger Planet Jr. To keep ground looking neat and attractive, the grass bordering all walks must be frequently edged and this will do the work quickly and with little effort, no matter if the walks are straight or curved. **Each.....\$2.00**

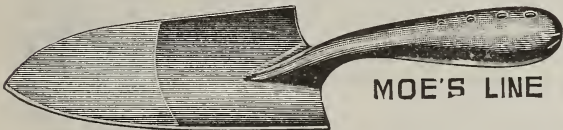


Tree Pruners, Water's. The best pruner on the market. 8 ft., \$1.85; 10 ft., \$2.10; 12 ft., \$2.25. Extra blades, each.....\$0.50

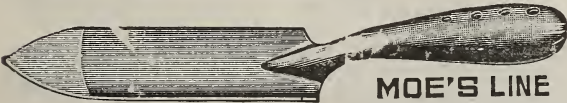


Spade. Is made from best tempered steel, fitted with select ash handles. **Price, each.....\$1.75**

ALL-STEEL GARDEN TOOLS



No. 80. Garden Trowel. One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 inches. Ground and polished points. Shipping weight, 1 lb. **Each.....\$0.15**



No. 81. Transplanting Trowel. One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade 6 inches. Width, 1 3/4 inches. **Each.....\$0.15**

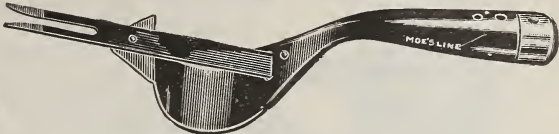


No. 82. Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. **Each.....\$0.15**



Fork. Digging or spading, 4 tines. Strap ferrule. Gardeners everywhere are adopting spading forks in place of solid blade spades; the forks not only turn up the soil, but at the same time break it up so that cultivation is much easier. **Each.....\$1.50**

MOE'S LAWN WEEDER



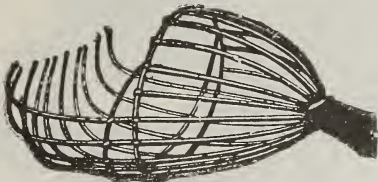
California Lawn Weeder. Has a slotted steel prong which holds the weed firmly and a slight pressure on the handle removes it completely, with the root. Easy to use and does not mar the lawn. Length 11 inches. Finely finished in baked black enamel. Shipping weight 1 lb. **No. 89 Weeder, each..\$0.25**



Cape Cod Weeder. An excellent tool.....\$0.60



Ideal Hand Weeder. In our opinion this is the best of all weeders. **Price, each.....\$0.25**



FRUIT PICKER

Fruit Pickers. Attach to pole of any desired length. Saves all climbing, especially on young trees. **Price.....\$0.50**
Shovel. A handy tool for the garden.....\$1.50

SNAP TOOTH RAKES

Cuts Lawn and Garden Labor in Half

Oil tempered spring teeth. Galvanized iron channels with slots into which each tooth snaps to place. Each tooth is firmly set independent of every other tooth. No units or bolts, you merely change teeth to conform to work to be done. Light weight. Best of material.

No. 1. The spring teeth follow natural contour of the lawn. Cleans self easily by reversing and wiping tines on ground. Fine for cultivating, clearing off flower beds in spring and wherever a rake is used. Due to the flexible teeth the Snap Tooth will not injure the most delicate plant. **Price, No. 1...\$1.00**

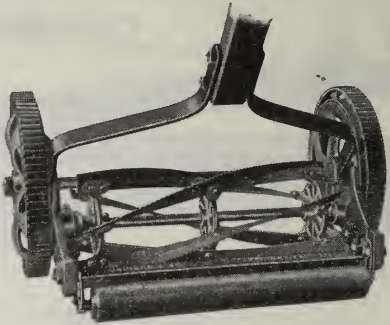
No. 2. A narrower tool than the No. 1, but the same principle. Especially adapted for working over tulip bed, as it will not cut off the top of the tulip bulb. Excellent for cultivating around shrubbery and flowers. **Price, No. 2.....\$0.75**



**CYCLONE
SEED SOWERS**

The material used in the construction of the Cyclone is of the best throughout. The machine is practically and mechanically built. The hopper or sack has a capacity of ½ bushel. It sows, with ease to the operator, all varieties of grain and grass seed, perfectly even.

Each, \$2.00; postpaid, \$2.15



Lincoln Lawn Mower

LIGHTNING TIN HORN SEED SOWER

Has long tin sectional tube, having sack attached; also has adjustable feed for different grains and quantities. Suitable for small seeds only. Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand. Each, \$1.00; Postpaid, \$1.10.

CAHOON'S BROADCAST SOWER

The breadth of the cast will be according to the weight of the seed. Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet. Barley, 27 to 33, Clover, Millet, Hungarian Seed, 20 to 24 feet. Hemp, 27 to 30 feet. Timothy, 15 to 18 feet. Each, \$4.00; Postpaid, \$4.25.

THE "LINCOLN" LAWN MOWER

Enjoy mowing your lawn. You can with a "Lincoln" mower. Built to give years of faithful service with little attention. Perfectly adjusted, the "Lincoln" runs easy, clipping your lawn with velvety smoothness. Timken bearing reels. Five cutting blades. Ten-inch wheels. Four screw adjustment for cutter bar. Hard maple varnished handle. Ball bearing wheels.

14-inch.....\$12.00 16-inch.....\$12.75 18-inch.....\$13.25

"PHILADELPHIA" LAWN MOWER

Style "A" All Steel. Philadelphia Lawn Mower is practically indestructible. It is made by the best mechanics in the oldest lawn mower factory in the world. Every part is mechanically perfect. Style "A" is a light-running mower with all unnecessary weight eliminated. Roller bearings assure you of even wear all around. Cylinder with 4 blades; driving wheel, 10 inches; diameter of cylinder, 6½ inches; train of 3 gears on one side. Double ratchet. Each, 19-inch, \$28.75; 21-inch, \$30.00.

Dewey. The Dewey is made in the same factory by the same experts that make the Philadelphia Style "A" Mower. The Dewey will give excellent service and is a good value at the price offered. Cylinder with 4 blades; driving wheel, 8 inches; diameter of cylinder, 5¼ inches, single pinion; geared both sides. Each, 12-inch, \$11.50; 14-inch, \$12.00.

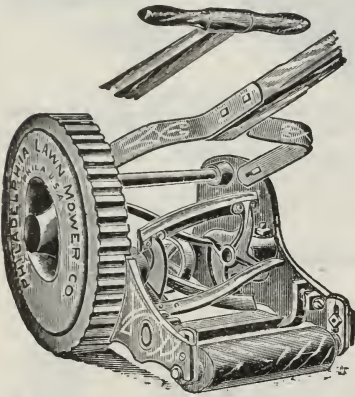
Grass Catcher. Heavy Gauge galvanized wire frame, covered with extra quality 8-oz. green and white striped canvas side and back. Each, 14 to 16-inch, \$1.50; 18 to 20-inch, \$2.00.

"PHILADELPHIA" LAWN TRIMMER

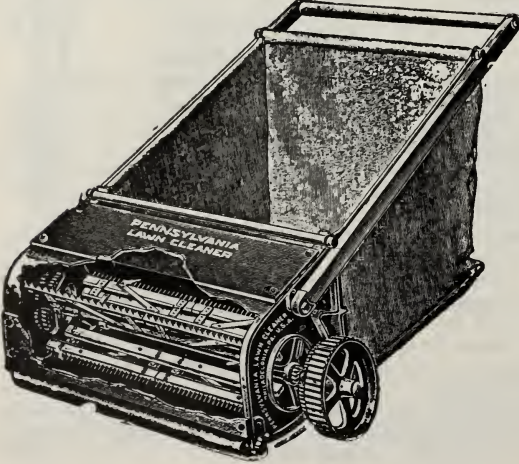
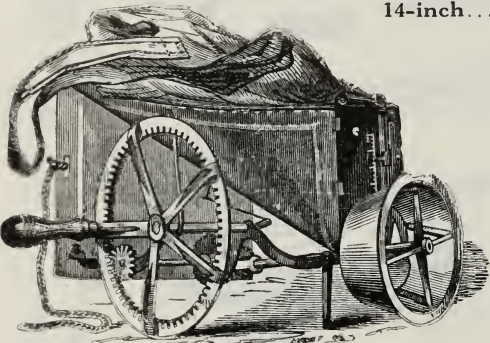
Lawn Trimmer. Will cut smoothly to ¼ inch of wall, making use of shears unnecessary. Built for durability and service. Cylinder with 4 blades. Driving wheel 8 inches. Diameter of Cylinder, 5¼ inches. Each, 6-inch, \$9.50.

PENNSYLVANIA ROTARY LAWN RAKE

This is virtually a revolving lawn comb, having flexible steel wire teeth which go between the blades of grass, and comb out all dead grass, crab grass, leaves, sticks and other rubbish. It leaves the grass standing upright. It has a dumpable collecting box. One man can do the work of four with rakes. (Weight, packed for shipment, 90 lbs.) Each, 24-inch machine, \$35.00.



Cahoon Seeder



SPRAYERS THAT SPRAY

SPRAY YOUR ORCHARD AND SAVE YOUR FRUIT

The many advantages due to proper spraying are so numerous that they cannot be told here. Everybody knows that in the garden, the orchard and the poultry house, spraying returns a profit that far exceeds any on so small an investment and short time necessary to spray. Bigger crops and better fruit are one of the few results, and by producing such crops you can expect to make your orchard pay.

We can supply you with any kind of a sprayer from the small tin atomizer to the large barrel spray. Let us know your needs in the sprayer line and we are sure that we can supply you with what you need.



MYERS' COMPRESSED AIR SPRAYER

An extra heavy material chamber with a $1\frac{3}{4}$ -inch brass tube cylinder attached to the can by means of a heavy brass screw nut. The handle is D-shaped and large enough to be operated by anyone in perfect comfort. By means of a small lever the spray can be adjusted from a broad, fine spray to a heavy single stream. The valve is made of a pliable rubber disk supported by a metal plate held in position by a brass coil spring and brass spring on which it operates.

No. 296. Galvanized.....\$6.00

No. 297. Brass.....9.00



PERFECTION SPRAYERS

A COMPRESSED AIR SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four-gallon capacity.

Galvanized.....\$6.00 Brass.....\$9.00

Junior Perfection — A small compressed air sprayer of the "Perfection" type. The capacity is $2\frac{1}{2}$ gallons and owing to the fact that it is not so heavy, it is a great favorite among the ladies.

\$4.25; postpaid, \$4.50.



Prize Bucket Pump

PRIZE BUCKET PUMP

Double acting works on both up and down stroke and throws a continuous stream. Can be used with any ordinary pail or bucket. Pump has seamless brass body cylinder, heavy brass plunger, brass ball valves, is equipped with an Acme nozzle, $3\frac{1}{2}$ feet of rubber spray hose and strainer on bottom to prevent clogging. \$3.75; by mail, \$4.00.



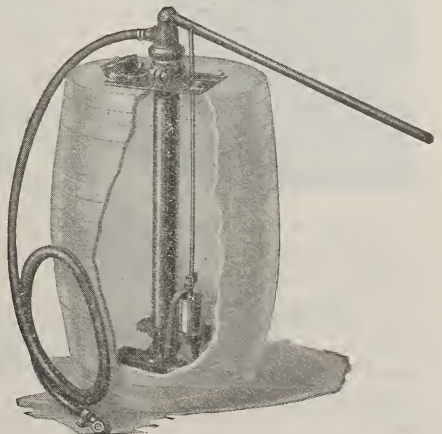
Perfect Success

DEMING'S PERFECT SUCCESS

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Working parts same as Prize bucket spray. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet $\frac{3}{8}$ -inch discharge hose and Bordeaux nozzle. \$6.75; by mail, \$7.00.

DEMING'S CENTURY BARREL PUMP

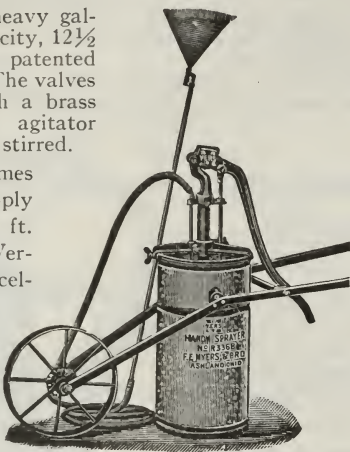
The "Century" is proof against corrosion, as all working parts are brass; is so substantially constructed as to be practically exempt from breakage; is easy to operate and a fine buy for the orchardist. Universal Iron Base—adjustable to any size or depth of barrel—fits the flat head or curved side of barrel. This, with foot lug, keeps pump absolutely rigid during operation. Base fits 7x10-inch hole. Four hook-bolts with large thumb nuts attach base to barrel head. The cylinder has a 4-inch stroke and is always submerged and primed. Plunger has a special fabric packing, chemically treated. Solid bronze valves and bronze valve seats. By removing four bolts, both suction and discharge valves may be taken out for examination and repairs. Twin paddle type agitator. Brass discharge "Y" for two leads of hose. \$17.50.



MYERS' PORTABLE SPRAYER
R 336B

Made of extra heavy galvanized iron. Capacity, 12½ gallons. Pump has patented cog-gear handles. The valves are brass ball with a brass seat. The dasher agitator keeps the material stirred.

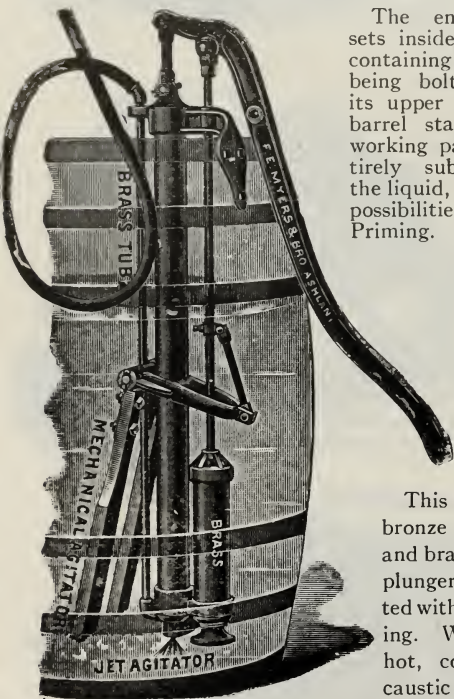
This sprayer comes with 15 ft. ½-in, 5-ply discharge hose, 8 ft. extension and Vermorel nozzle. An excellent all around pump and is especially handy where turning in narrow places is necessary.



Each.....\$25.00
Extra extension pipe, 8 ft. Each......75

MYERS' BARREL SPRAYER
No. 305B

The entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the barrel staves. The working parts are entirely submerged in the liquid, avoiding all possibilities of losing Priming.



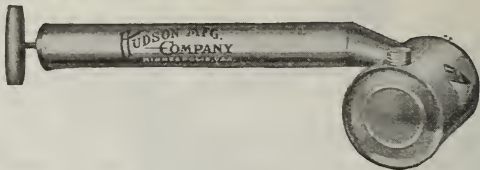
This pump has bronze ball valves and brass seats; the plunger is brass fitted with hemp packing. Will handle hot, cold or any caustic mixture.

The cylinder and discharge pipes are all brass. The air chamber is 30 in. in length, enabling the pump to throw a uniform and elastic spray.

It has a good leverage, is very powerful and easily operated. Complete with one lead of 15-ft. 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator.

Each.....\$14.00

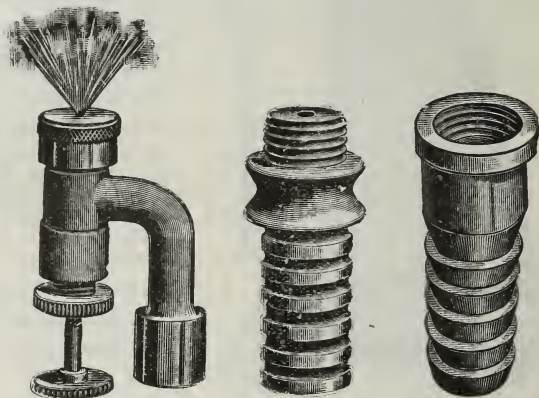
NEW MISTY



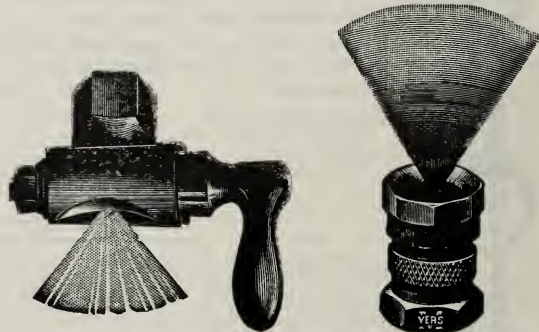
The popular tin atomizer designed for insecticides, disinfectants. Especially useful for the small garden and the flower garden, or for house plants.

1 Qt. size.....\$0.40
1 Pt. size......25
By mail add 25c for Postage and Packing.

EXTRA PARTS FOR SPRAYERS



Vermorel Nozzle Male End Female End



Bordeaux Nozzle Imperial Nozzle

Bordeaux Nozzle..	\$1.00	Sprinkling Nozzle..	\$0.30
Vermorel Nozzle..	.80	Male End.....	.25
Imperial Nozzle...	.40	Female End.....	.25
Y.....	.50	Bend.....	.25

BAMBOO EXTENSION RODS—8 feet long
Each, \$4.00; 10 feet,, \$4.50; stop-cock, \$1.00

CONTINUOUS SPRAYER



A sprayer that can be used for spraying insecticides, disinfectants and fly sprays.

Price, tin.....\$1.00
By mail add 25c for postage and packing.

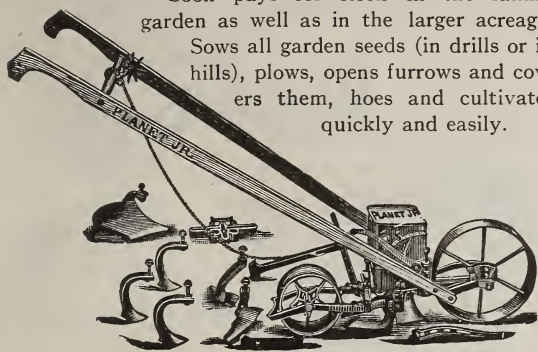
PLANET JR. FARM AND GARDEN IMPLEMENTS

Carefully made of best materials. Save time, labor, money. Specialized tools made by Specialists

No. 4 PLANET JR. COMBINED HILL and DRILL SEEDER and WHEEL HOE

Soon pays for itself in the family garden as well as in the larger acreage.

Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily.



Complete, \$18.00

No. 4D, Hill and Drill Seeder, same as above less the cultivating attachments, \$14.25.

No. 25 PLANET JR. COMBINED HILL and DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR and PLOW



A favorite among market gardeners, onion growers, or large gardeners. It is a perfect seeder and combined double and single wheel hoe. No. 25. Complete, \$21.50.

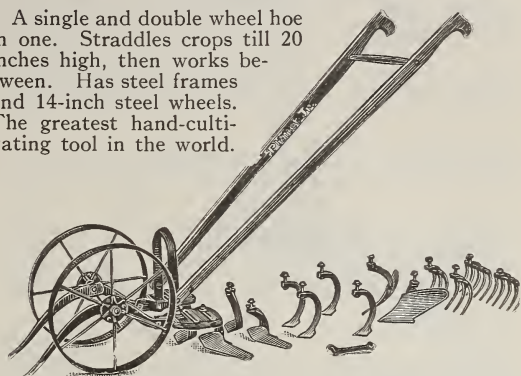
PLANET JR. No. 3 HILL and DRILL SEEDER



A favorite among onion growers and market gardeners. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart. 15-inch Steel Driving Wheel. Holds 3 quarts of seed. Weight packed, 44 lbs. \$17.50.

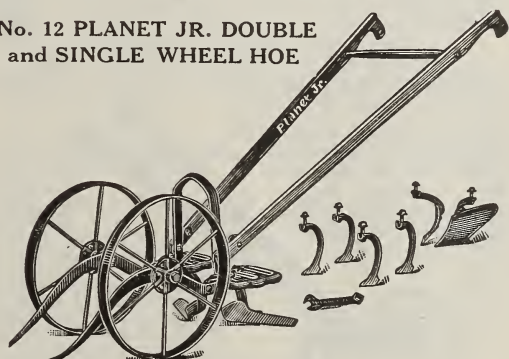
No. 11 PLANET JR. DOUBLE WHEEL HOE CULTIVATOR PLOW and RAKE

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.



No. 11 Planet Jr. Cultivator, \$13.75

No. 12 PLANET JR. DOUBLE and SINGLE WHEEL HOE



No. 12 Planet Jr. Double and Single Wheel Hoe is identical with No. 11, except that the 4½-in hoe and the rakes are omitted from the equipment. \$10.75

No. 13 PLANET JR. DOUBLE and SINGLE WHEEL HOE

No. 13 has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6-inch hoes only, the most useful of the cultivating attachments and all that some onion growers and others want. \$8.00.

No. 17 PLANET Jr. SINGLE WHEEL HOE

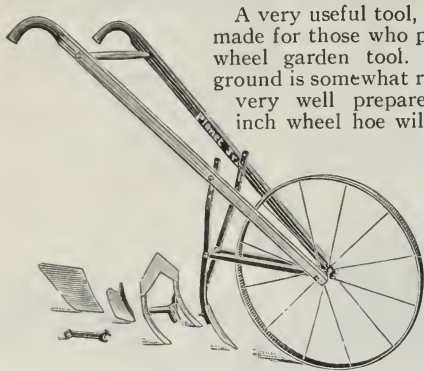


These Single Wheel Hoes have steel frames and 15-inch steel wheels. \$7.75.

GARDEN IMPLEMENTS—Continued

Give years of satisfactory service after moderate cost is forgotten. Cheapest in the long-run.

No. 19 GARDEN PLOW AND CULTIVATOR



A very useful tool, particularly made for those who prefer a high wheel garden tool. Where the ground is somewhat rough, or not very well prepared, this 24-inch wheel hoe will run easily.

The fine assortment of cultivating attachments will do any of your cultivating, plowing, hilling, etc

Equipment: 1, 1¼-inch cultivating tooth; 1, ¼ inch cultivating tooth; 1 garden plow; 1 reversible combination of scuffle blade and 3 cultivating teeth. 24-inch steel wheel.....\$5.00

PLANET JR., JUVENILE WHEEL HOE

Patterned after the regular Planet Jr. Single Wheel Hoe, this tool is made for and proves very attractive to those boys and girls who have a natural inclination to imitate their parents in the garden.

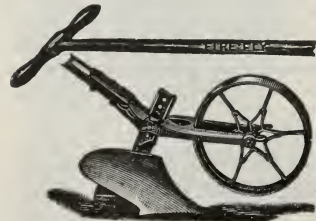


Equipment consists of 3 narrow cultivator teeth. Tool is made of the best material, and is up to Planet Jr. quality in every way. It will instill in the youngster that spirit of industry that is so useful and will build up healthful and sturdy constitutions, \$2.50.

Planet Jr. Tools Are the Standard of the World

FIREFLY GARDEN PLOW

Exceedingly useful to owners of small gardens, throwing a furrow four to six inches wide and one to three inches deep. This tool will enable a busy man to do all his garden work in a few minutes. Fine for scratching up the chicken yard. \$4.25.

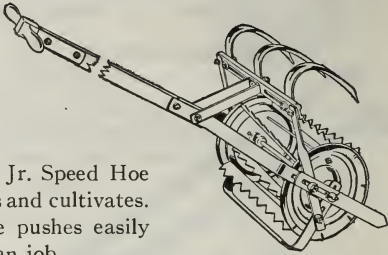


EXTRAS For PLANET JR. TOOLS



Plow for Single Wheel Hoe. Each.....\$1.50
S100-101 Hoe. 7½-inch Blade. Pair..... 1.50
Rakes. Each, 3-tooth, 45c; 5-tooth..... .75
Disc Hoes. Pair..... 3.50
Three-Prong Cultivator Teeth. Each..... 1.75
Cultivator Teeth. Each..... .35

SPEED HOE

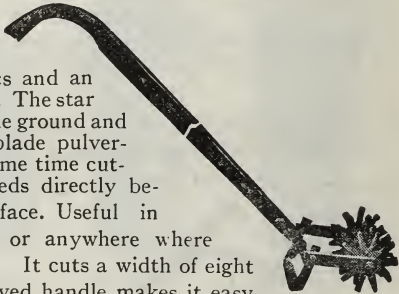


The Planet Jr. Speed Hoe weeds, mulches and cultivates. The Speed Hoe pushes easily and does a clean job.

8-inch.....\$8.25
10-inch..... 8.75
12-inch..... 9.75

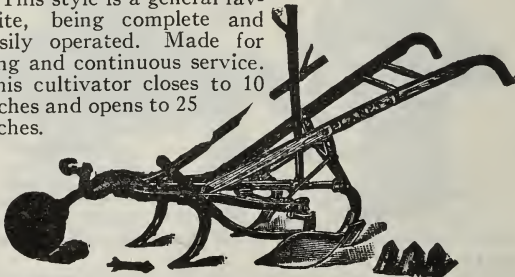
STAR PULVERIZER, CULTIVATOR AND WEEDER

This new type of the Star Pulverizer has one row of star discs and an oscillating blade. The star discs break up the ground and the oscillating blade pulverizes it, at the same time cutting off the weeds directly beneath the surface. Useful in flower gardens or anywhere where plants are close. It cuts a width of eight inches. The curved handle makes it easy to handle. \$3.25.



No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

This style is a general favorite, being complete and easily operated. Made for long and continuous service. This cultivator closes to 10 inches and opens to 25 inches.



The lever expander and depth regulator make this an easy tool to use. The teeth are made of bevel steel and hardened. Complete, \$16.25.

No. 91 TWELVE TOOTH HARROW



This twelve-tooth Harrow gives excellent satisfaction. For farmers and gardeners it is unequalled for deep or close cultivation or when desired to work a crop thoroughly without hilling. For the strawberry grower it is invaluable. \$13.00.

INSECTICIDES AND FUNGICIDES

Goods Marked (*) can be mailed at buyer's expense. Goods not marked cannot be mailed.

Acme All Around Spray. Combination spray for combating chewing insects, sucking insects, and blight and fungus diseases. Complete spray guide enclosed in each package showing use on flowers, plants. Contains Arsenate of Lead, Bordeaux Mixture and Nicotine Sulphate. $\frac{1}{4}$ lb. carton, 45c; 1 lb. carton, 95c.



The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.



PRICES

Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 95c; Antrol extra containers (each), 15c; Antrol Syrup, 4-oz. bottles, 45c; pints, 95c; gallons, \$3.75.

***Aphis Punk (40 Per Cent Strength), for Fumigating.** Specially prepared for Greenhouses and Conservatories. It vaporizes the nicotine economically and evenly. Box of 12 rolls, 90c; 1 case, 12 boxes, \$8.50.

Arsenate of Lead Powder. The best known and most extensively used stomach poison for insects. It is safe to use on most plants. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water. $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 4 lbs., \$1.00; 12 lbs., \$2.50; 24 lbs., \$4.75.

Bordeaux Mixture Powder. For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 pounds to 50 gallons of water. 1 lb., 30c; 4 lbs., \$1.00; 25 lbs., \$5.00.

Cyanogas (A-Dust). A dry powder, ready to use without any mixing, that gives off a gas effective against ants, rats, mice, moles, grasshoppers, locusts, gophers, fleas, etc. Detailed directions with every package. Cannot be mailed. $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

DESTRUXOL

A contact and fumigating spray for insects, such as Black, Green and Woolly Aphis, Red Spider, Thrips, Leaf Roller Hoppers, Mealy Bugs, Scale in the Migratory Stage; effective for control of Blight, Rust, Mildew and Chicken House Mites. 1 oz. makes 3 to 5 gallons.



PRICE

1 oz.	\$0.40
2 oz. ....	.65
4 oz. ....	.90
$\frac{1}{2}$ pt.	1.75
1 pt.	2.60
1 qt.	4.85



Effective against Cucumber and Melon Beetles, Cabbage Worms, Rose Slug Aphis, Leaf Hoppers, and most other plant insects including cutworms.

1 oz. Bottles.....	\$0.35
6 oz. Bottles.....	1.00
16 oz. Bottles.....	2.00
32 oz. Bottles.....	3.50
1 gal. Bottles.....	11.50

***Fish Oil Soap.** Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice. 1 lb., 45c; 5 lbs., \$1.50; 10 lbs., \$2.75.

***Flowers of Sulphur.** Used to check mildew and fungus diseases. 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

***Grape Dust (Hammond's).** Used as adust to check mildew, dry rot and other fungi. 5 lbs., 75c.

***Grafting Wax.** Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

***Lime Sulphur Powder.** Used as a dormant spray against scale insects. Use 10 to 12 pounds to 50 gallons of water. 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Lime Sulphur (Liquid). Has same effect as the powder. Dilute with 10 parts of water. For summer spray dilute with 40 parts of water. Qt., 50c; $\frac{1}{2}$ gal., 75c; 1 gal., \$1.00; 5 gals., \$4.00.

Nikoteen (30 Per Cent). An economical and powerful nicotine extract. Death to Aphis or Green Fly, Spider, Mealy Bug, Thrip and many other forms of flower, fruit and vegetable lice. Small bottles, 30c, and 50c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25; (40 Per Cent Strength) 4 lbs., \$7.00; 8 lbs., \$13.00.

Paris Green. Paris Green is a strong and best known poison for potato bugs. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.

Plantgard. A safe, effective non-poisonous powder for vegetables and flowers. Both an insecticide and fungicide. Effective against cabbage worms, cucumber beetles, etc. Price: 10 oz., 25c.

Scalecide. A dormant spray for scale. Mix 1 part Scalecide with 15 parts water. 1 qt., 70c; 1 gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00; 30 gals., \$24.50; 50 gals., \$34.00.

***Slugshot.** Thoroughly reliable in killing cutrant worms, potato bugs, cabbage worms, chicken lice, slugs, sow bugs, etc. Cartons, 20c; 5 lbs., 75c.

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. These pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nurserymen. Prices: 1 lb. packages, 45c; 3 lb. packages, 95c 15 lb. bags, \$3.50; 50 lb. bags., \$9.50.

Sulfocide. A summer spray for scale. 1 pt., 70c; 1 qt., \$1.00; 1 gal., \$2.75; 5 gals., \$8.75.

Tobacco Dust. For aphis. 100 lbs., \$4.50.

***Tree Tanglefoot (Caterpillar Paste).** A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. 1 lb., can 50c; 5 lb. can, \$2.35; 10 lbs., \$4.50; 20 lbs., \$8.75.

***Volck (Nursery).** The scientific Insecticide for nursery, green house and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and trips. $\frac{1}{2}$ pt., 35c; 1 pt., 60c; 1 qt., \$1.00; 1 gal., \$3.00; 5 gal., \$12.00.

***Tree Paint (Pine Tar).** For painting on wounds after pruning. 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.75.

Weed Killer (Hammond's). Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. 1 qt., 70c; 1 gal., \$1.75; 5 gals., \$7.00; 10 gals., \$13.00; 30 gals., \$33.00.

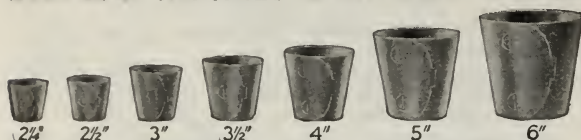
Atlacide Non-Poisonous Weed Killer Duster exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

1 lb. Duster, Each.....	\$0.50
(Kills 100 sq. feet of weeds.)	
3 $\frac{1}{2}$ lb. Duster, Each.....	\$1.50
(Kills 350 sq. feet of weeds.)	

PLANT A GARDEN!
The children will enjoy the flowers and vegetables.

PLANT LABELS—PLANT TUBS—PLANT STAKES

Bird's IMPROVED NEPONSET Flower Pots



In. Diam.	Weight per 100	Doz.	100	1000
2 1/4.....	2 lbs.....	\$0.10	\$0.50	\$4.35
2 1/2.....	2 lbs.....	.10	.60	4.85
3.....	2 lbs.....	.18	.80	6.25
3 1/2.....	3 lbs.....	.20	1.00	7.90
4.....	4 lbs.....	.25	1.30	10.20
5.....	7 lbs.....	.30	2.00	15.00
6.....	10 lbs.....	.50	3.00	.....

CEDAR TREE TUBS

Made of the very choicest seasoned cedar, highly finished with black hoops; will last as long as cypress tubs.

Cedar-Tree
Tubs

No.	Diam. In.	Height In.	
1.....	12	10 1/2	\$2.15
2.....	13	13	2.95
3.....	14 1/2	15	3.50
3 1/2.....	16 1/2	15 3/4	4.30
4.....	19 1/2	17	5.10

RICHMOND STYLE TREE TUBS

These Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.



No.	Diam.	Depth	
1B.....	6 inch	6 inch	\$0.55
4B.....	9 inch	9 inch	.90
5B.....	10 inch	9 inch	1.00
6B.....	11 inch	10 inch	1.35
7B.....	12 inch	11 inch	1.50
8B.....	14 inch	12 inch	1.90

POT PLANT BANDS
Ready to Use

Bands with folding bottoms or pots can be used as an extra deep band by leaving bottom unfolded. By pushing the flaps in you have a square pot with bottom.

All bands packed 250 to a carton, in cases weighing about 47 pounds.

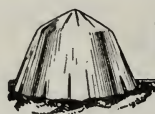
Remember! Square bands and pots have nearly twice the cubic capacity of round pots of same diameter. Order next size smaller band than the round pot you generally use.

No.	Size	High	250	1000
2P.....	2x2	2 1/2	\$1.00	\$3.50
3P.....	3x3	3	1.25	4.50

TIMESAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized, java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

No.	Size	High	250	1000
No. 2—3 feet.....			\$1.15	
No. 3A—4 feet.....			2.20	
No. 4—5 feet.....			2.75	

Germaco
Hotcaps
New Method of
Plant Protection

HIGHER PRICES FOR YOUR CROP ---

This amazing New Method of Plant Protection gets you Higher prices for Larger and Quicker Crops.

100 lots for.....	\$2.00	250 lots for.....	\$3.25
1000 lots.....			\$10.00 per M

Germaco Hotcap Setters, a labor saving device for setting Hotcaps accurately and quickly into the ground. Postage or express extra.

Germaco Garden Setter.....\$0.50

Germaco Steel Setter.....2.50

Write for interesting pamphlet or order today!

PLANT STAKES AND SUPPORTS

Japanese Bamboo Canes. Dyed Green.

	Doz.	100	1,000
1 1/2 feet.....	\$0.06	\$0.40	\$3.00
2 feet.....	.10	.60	4.00
2 1/2 feet.....	.10	.80	6.00
3 feet.....	.15	.90	7.00
4 feet.....	.15	1.00	8.00
5 feet.....	.18	1.25	10.00

NATURAL CANE STAKES

6 ft., doz.....	\$0.18	100.....	\$1.30
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Chinese Tonkin Cane. These are Chinese canes, very strong and heavy. 1/2-in. diam.

	Doz.	100
4 feet.....	\$0.60	\$4.25
5 feet.....	.75	5.50
6 feet.....	.85	7.00

POT LABELS

	100	1000		100	1000
4 inch.....	\$0.25	\$1.75	8 inch.....	\$0.50	\$4.50
5 inch.....	.30	2.00	10 inch.....	.65	5.00
6 inch.....	.35	3.50	12 inch.....	1.25	10.00

WIRED TREE LABELS

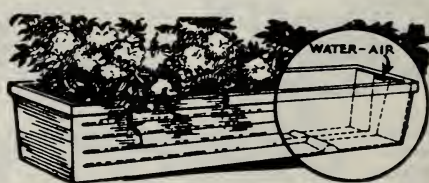
3 1/2 x 5/8-in., per 1000.....	\$2.25
--------------------------------	--------

Garden Labels. Plain. 18-inch. Each, 5c; 24 inch, Each 8c; 30 inch, Each 12c.

KNEE PADS

Knee Pads. Fits any knee and will not slip down when walking. Solid black rubber surface provides durability and long wear, while the air-sponge rubber interior cushions and protects the knee. \$1.25 Pair.

THE PERFECTO FLOWER BOX



Enameled in Green or Old Ivory finish.

26 inches long, 6 in. deep, 7 in. wide.....	\$2.50
32 inches long, 6 in. deep, 7 in. wide.....	2.75
38 inches long, 6 in. deep, 7 in. wide.....	3.25
44 inches long, 6 in. deep, 7 in. wide.....	3.75
Cannot be sent by mail.	

HARDEN HOSE

Garden Hose. We make a specialty of the very best lawn and garden hose. We do not handle a wrapped hose; only the best moulded hose is worth buying. $\frac{1}{2}$ inch, 11c; $\frac{3}{4}$ inch, 14c foot.

HOSE MENDERS

Hose Mender, "Perfect Clinching". $\frac{1}{2}$ inch,, $\frac{3}{4}$ inch and $\frac{5}{8}$ inch, 10c; \$1.00 per dozen.

Hose Coupling, "Perfect Clinching". $\frac{1}{2}$ inch, $\frac{3}{4}$ inch and $\frac{5}{8}$ inch, 25c ea.



Quick Hose Connection. The female end is attached to the hose and the male end to the faucet. Price, male end, 35c; female end, 25c.



Hose Nozzle, Boston Spray Brass; for $\frac{3}{4}$ -inch hose. Each, 90c; by mail, \$1.00
Hose Washers. $\frac{3}{4}$ inch, doz., 5c; 1 inch, doz., 10c

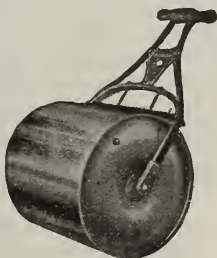
LAWN SPRINKLERS

"Spray Maker". Abundant water is the secret of beautiful lawns and gardens. The SPRAY MAKER duplicates the action of a gentle rain. Each, 50c.

Lawn Sprinkler "Universal". Has no revolving parts to wear out and will not clog. Each, 50c.

DUNHAM LAWN ROLLERS

Every lawn needs a lawn roller. Lawns should be rolled frequently, especially in the spring of the year, at which time the grass is often raised out of the soil due to alternate thawing and freezing.



No.	Diam. inches	Length inches	Approx. Wt. Empty	Filled with Water	Each
5	18	24	85 lbs.	265 lbs.	\$20.00
7	24	24	110 lbs.	420 lbs.	23.00
9	24	32	130 lbs.	565 lbs.	26.00

RAFFIA AND REED

Natural, lb., 40c; skein, 10c; colored, $\frac{1}{4}$ lb. skein, 35c; 1 lb. pkg., \$1.25. Postage extra.

Reed. Used for basket making, lattice work, etc.

No.	1 roll	1 lb.	No.	4 roll	1 lb.
No. 1	\$0.15	\$1.15	No. 4	\$0.15	\$1.00
No. 2	.15	1.10	No. 5	.15	.95
No. 3	.15	1.05	No. 6	.15	.90

By mail, add Postage, 10c per lb.

To Insure a Good Seed Germination use "SEMESAN" The Premier Seed Disinfectant

Controls Disease, Produces Sturdier Plants, Improves Quality, Hastens Germination, Increases Crop Yields, Prevents Damping Off.

Commercial results prove that Du Pont Semesan is the premier seed, plant and soil disinfectant because it is the only chemical which can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of parasitic disease and fungoid growths borne by seeds.

Prices for Du Pont Semesan
2 ozs. \$0.50 1 lb. \$2.75
5 lbs. \$13.00

Booklet in connection with use of Semesan mailed free.

**GATOR-HIDE MULCH PAPER**

A Miracle Paper That Grows Bigger, Better, Earlier Crops



Gator-Hide Mulch Paper by raising the temperature of the soil and conserving the moisture in the soil, produces bigger, better, sturdier, earlier crops, and at the same time reduces the labor of weeding and cultivating to the absolute minimum. Weeds can't come up in soil that is covered by Gator-Hide.

PRICES

Type A (Light Weight)			
Width	Length	Sq. Ft.	Per Roll
18 in.	900 ft.	1350	\$3.00
36 in.	900 ft.	2700	6.00
Type B (Heavy Weight)			
Width	Length	Sq. Ft.	Per Roll
18 in.	450 ft.	675	\$3.00
36 in.	450 ft.	1350	6.00

Garden Pkgs, 15 yds., Type B, 65c.

SPAGNUM MOSS

Extensively used for filling Fern and Orchid baskets, mixing with potting soil, covering tops of pots to preserve moisture, etc. Lb., 15c; bale, about 20 lbs., \$1.75.

BASKET BOTTOMS

Veneered Basket Bottoms for reed weaving. Well made of several ply panels. Well sanded and holes properly bored to fit uprights.

3-inch Round....	\$0.10	3x 6-inch Oval...	\$0.15
4-inch Round....	.13	4x 8-inch Oval...	.25
5-inch Round....	.15	6x10-inch Oval...	.35
6-inch Round....	.18	8x14-inch Oval...	.45
8-inch Round....	.25	10x16-inch Oval...	.55
10-inch Round....	.40	12x20-inch Oval...	.80
12-inch Round....	.45		

RUBBER PLANT SPRINKLERS

Scolly Plant Sprinkler. Made of the best rubber. Used for spraying house plants, sprinkling clothes, etc. Price, \$1.25.

Putty Bulb. The best appliance for distributing putty. Used by a large number of leading florists. Price, Each, \$1.25.

**WIRE HANGING BASKETS**

10 Inch.....	35c
12 Inch.....	45c
14 Inch.....	60c

Parcel Post, add 10c each for Postage



Plant Food for Lawn, Garden or Field

A Necessity to all Growing Plants

WIZARD SHEEP MANURE



The real secret in making plants grow to perfection lies in having a rich, fertile soil. All plants require a generous supply of food and a loose mellow soil well supplied with organic matter. So if you wish to grow a profitable crop or have your plants develop their real beauty, let your first thought be the preparation of a rich, fertile soil.

Wizard Sheep Manure is a natural concentrated manure that makes all plants grow to perfection. It supplies the humus to make soils mellow and friable, insuring strong, healthy plants. Wizard Sheep Manure is convenient and absolutely weedless. Its concentrated strength goes a long way. One Bag Equals a Whole Wagon Load of Stable Manure.

vigorous root growth. Wizard Sheep Manure is convenient and absolutely weedless. Its concentrated strength goes a long way. One Bag Equals a Whole Wagon Load of Stable Manure.

Lawns. Wizard produces a thick velvety green turf of lasting beauty. Give your lawn an application early in Spring and you will be surprised at the new beauty it will develop. In making new lawns scatter broadcast 100 pounds to 1500 square feet.

Flower Gardens. Luxuriant green foliage and a wealth of vivid colored flowers are the result of feeding your plants Wizard. It is just what nature needs to make strong healthy plants. Dig it into the garden soil and mix a small handful with the soil under each plant or bulb and more for vines, shrubs and trees, depending on size. Light applications during the growing season will put new life into your plants and prolong the blooming season.

5 lbs.	\$0.30	Postpaid
10 lbs. ....	.50	\$0.40
25 lbs. ....	.90	.65
50 lbs.	1.40	1.15
100 lbs.	2.50	
500 lbs.	12.00	

Prices in ton lots quoted on request

GENERAL LIST OF PLANT FOOD

Ashes, Canadian Hardwood. Very good in supplying potash and also greatly benefits mechanical condition of the Soil. A very fine lawn dressing. 50 lbs., \$2.00; 100 lbs., \$3.50.

Bone Meal. For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.40; 50 lbs., \$2.00; 125 lbs., \$3.50.

Floyd's Odorless. After the soil has been thoroughly worked, broadcast one to one and one-half pounds Plant Food to the square yard and rake into soil. 25 lb. bags, \$1.00; 50 lb. bags, \$1.50; 100 lb. bags, \$2.75.

Hydrated Lime. Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1,000 square feet. 10 lbs., 40c; 50 lb. bags, 90c.

Jax brings wonderful immediate results because it's active plant food. No useless bulk or wasteful filler. Dissolves like sugar and goes straight to the roots. Try this scientific plant food on your grass, shrubs, plants and flowers. **Tablets for potted plants,** pkg., 15c; 5 lb. pkg., 75c; 25 lb. sack, \$2.50.

Muriate of Potash. Improved Potash once again available should be used liberally, especially for all root crops. Apply 2 lbs. to 100 square feet. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.75.

Nitrate of Soda. Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. Lb., 15c; 10 lbs., 90c; 50 lbs., \$2.50.

GRANULATED IMPORTED PEAT

Used for Top Dressing on Lawns and for Mulching Bulbs, Shrubs and Roses



Granulated peat moss is a light brown colored virgin soil formed years ago by the growth and decay of mosses (mostly Sphagnum) and various aquatic plants, in and along the shores of fresh water lakes. It is a soil medium that is free from fungus and free from weed seeds, highly absorbent and retentive of moisture, rich in carbonaceous matter, and has no detrimental mineral content.

Established lawns should be covered ½ inch deep with Granulated Peat Moss in the late Fall. It will almost disappear by Spring. If the Fall covering has been omitted cover lightly in the Spring and occasionally during the growing season. It soon works in about the grass roots.

Large bale, about 160 lbs. (cover 290 square feet one inch deep). Price per bale, \$3.50. Box Holding 3 Bu. \$1.00.

Pulverized Limestone. As a crop-producer, we hardly believe it has a equal. It is made from the purest crystalline white limestone obtainable. **Bags of 100 lbs., \$1.25.**

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. **Price, 100 lbs., \$2.50; 500 lbs., \$12.00.**

Sulphate of Ammonia. A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25½ per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food.

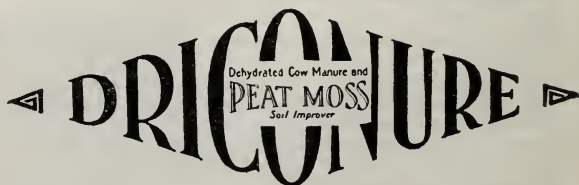
For Lawns. Scatter evenly any time during the growing season, when the grass is dry, then sprinkle the lawn thoroughly with water. For best results apply in the Spring when growth starts.

Do not exceed the quantity given below:

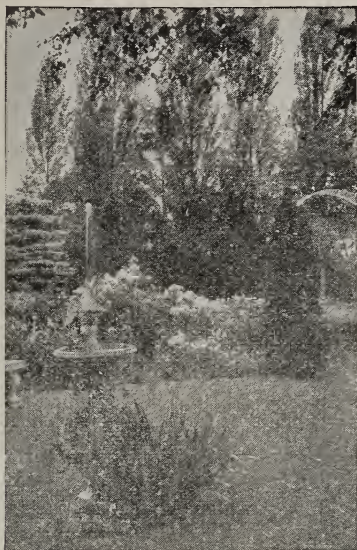
10 lbs. covers 2500 square feet or 50 ft. x 50 ft.

Price; 5 lbs., 50c; 10 lbs., \$1.00; 25 lbs., \$1.50; 100 lbs., \$4.75.

Super Phosphate. Sixteen per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. **Price, 125 lbs., \$2.75.**



Driconure. Ready-to-use turf and garden dressing, which is made of materials of the best quality. The ingredients are just manure from high protein fed cows and quality peat moss functioning as a humus making material and a reservoir for soil moisture. The composition is about thirty-five parts of peat moss and sixty-five parts cow feces—no straw, shavings or trash. It analyzes almost equivalent to a 2-1-2 fertilizer, embodying the desirable properties of humus. **50 lb. bag., (about 3 Bu.) \$2.50.**



For Gardening Success

Select good seed and plants, care for them properly, and feed them regularly with Vigoro, the complete, balanced plant food.

Vigoro contains all of the food elements necessary to produce rich-green, velvety lawns; large, beautiful flowers; healthy, full-foliaged shrubs and trees; and early, delicious vegetables. Vigoro is "the *square meal* for all plants."

Clean, odorless, and economical. Simple directions for using Vigoro on every bag or package. Used annually on 3,000,000 homes. We recommend it highly.

VIGORO

Complete plant food

A Product of Swift & Company

"Use Vigoro on Everything You Grow"

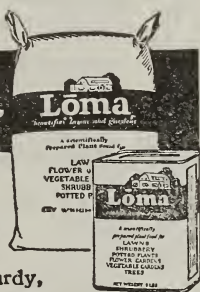


Prices:

100-lb. Bag.....	\$ 5.00
50-lb. Bag.....	\$ 3.00
25-lb. Bag.....	\$ 1.75
5-lb. Pkg.....	\$.50
12-oz. Pkg.....	\$.10

Lōma

beautifies lawns and gardens



Lōma, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

1-lb. can.....	\$0.25
5-lb. can.....	.50
10-lb. bag.....	.85
25-lb. bag.....	1.75
50-lb. bag.....	3.00
100-lb. bag.....	5.00

ADCO for Artificial Manure

What is required in the garden to make artificial manure:

Three things only. First, vegetable wastes; second, water and a garden hose; third, the bacterial food known as ADCO.

ADCO is a powder, which, mixed with almost any non-woody vegetable waste, and kept wet, gradually converts it into manure. ADCO, in 25-lb. bags, **Each, \$2.00.** (Enough for 12 wheelbarrow loads of garden waste, making one-half ton of manure).

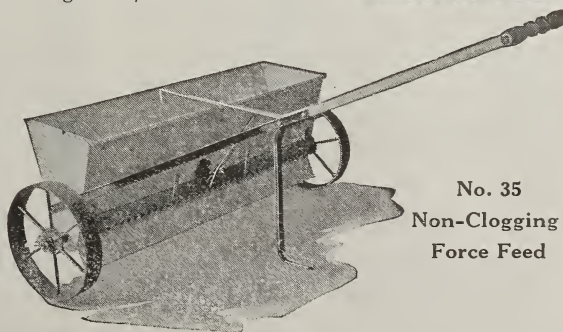
GRASS AND FERTILIZER SPREADER TOOLS

For lawns, golf courses, parks and cemeteries. Run it like a lawn mower. The baffle plate holds the weight of the material in the hopper. It has a simple and positive feed control. Set it for any quantity and the slide opens quickly at that point. A very durably constructed machine which will spread rapidly and uniformly.

No. 35. Spreading width 36 inches. Shipping weight, 65 lbs. **\$16.95**

No. 24. Standard. Spreading width, 24 inches. . . **10.75**

No. 14. Junior. Spreading width, 14 inches. . . **6.50**



No. 35
Non-Clogging
Force Feed

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THE BEST OF SEEDS AND PLANTS NEED CARE AND ATTENTION

Obtain Garden Suggestions by joining

St. Louis Horticultural Society

Activities:—Monthly meetings; garden contests; flower shows; city beautification; garden pilgrimages; monthly garden bulletin "Garden Life". Dues \$2.00 per year.

Application for Membership

ST. LOUIS HORTICULTURAL SOCIETY,
Missouri Botanical Garden,
St. Louis, Missouri.

NAME.....

ADDRESS.....

TOWN and STATE.....
St. L. S. Co.

Date _____ Forward by (STATE WHETHER WANTED BY
MAIL, EXPRESS OR FREIGHT.) _____

Name_____

Express or
Freight Office

Street Address _____

Post Office _____

County _____ State _____

Rural Route No. _____ Box _____ O. K. _____

No. _____

Amt. _____

Date _____

Ent. _____

Ackn._____

O. K. _____

PLEASE DO NOT WRITE IN THIS SPACE.

Post Office
Money Order \$_____

Draft or Check \$_____

Cash - - - - - \$

Stamps - - - - - \$_____

Route Shipped by _____ Date Shipped _____ Amt. Pkgs. _____

Laid out by: _____; Checked by - _____

Bulbs, Shrubs and Plants

PHONE: CEntral 4100



No. _____

Amt. _____

Date _____

Ent. _____

Ackn. _____

O. K. _____

PLEASE DO NOT WRITE IN THIS SPACE.

Date _____ Forward by (STATE WHETHER WANTED BY
MAIL, EXPRESS OR FREIGHT.) _____

Name _____

Express or
Freight Office_____

Street Address _____

Post Office
Money Order \$_____

Post Office _____

Draft or Check \$_____

County _____ State _____

Cash - - - - - \$_____

Rural Route No. _____ Box _____ O. K. _____

Stamps - - - - - \$_____

Quantity	Items	Dollars	Cents
	(PLEASE DO NOT WRITE IN THIS SPACE)	TOTAL	

Route Shipped by _____ Date Shipped _____ Amt. Pkgs. _____

Laid out by _____; Checked by - _____

ORDER SHEET

Bulbs, Shrubs and Plants

Quantity

Items

Dollars

Cents

(PLEASE DO NOT WRITE IN THIS SPACE)

TOTAL

ST. LOUIS SEED CO.
SEED ANNUAL
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